

Price Guide

Medical Equipment, MOHFW, Bangladesh

Price Guide of Medical Equipment


Prepared for the Ministry of Health and Family Welfare of Bangladesh

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January 2017



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This report is made possible by the generous support of the American people through the US Agency for International Development (USAID), under the terms of cooperative agreement number AID-OAA-A-11-00021. The contents are the responsibility of Management Sciences for Health and do not necessarily reflect the views of USAID or the United States Government.

About SIAPS

The goal of the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program is to ensure the availability of quality pharmaceutical products and effective pharmaceutical services to achieve desired health outcomes. Toward this end, the SIAPS result areas include improving governance, building capacity for pharmaceutical management and services, addressing information needed for decision making in the pharmaceutical sector, strengthening financing strategies and mechanisms to improve access to medicines, and increasing quality pharmaceutical services.

Recommended Citation

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Roshni FS, Zahid A, Hussain Z, et al. 2016. *Price Guide, Medical Equipment*. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health.

Key Words

Ministry of Health and Family Welfare, Bangladesh, specifications, medical equipment, value for money

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ACRONYMS

CIP	carriage and insurance paid (named place of destination)
CMSD	Central Medical Stores DEpot
DGHS	Directorate General of Health Services
EXW	ex-works (named place of destination)
HPNSDP	Health, Population and Nutrition Sector Development Program
LD	Line director
MOHFW	Ministry of Health and Family Welfare
MSH	Management Sciences for Health
NEMEW	National Electro-Medical Equipment Maintanance Workshop
NHS	National Health Service
PG	Price Guide
SCMS	Supply Chain Management System
SIAPS	Systems for Improved Access to Pharmaceuticals and Services
TOE	Table of organization and equipment
UNICEF	United Nations Children's Fund
USAID	US Agency for International Development
WHO	World Health Organization

CURRENCIES AND EXCHANGE RATES

BDT	Bangladesh Taka	based on 1\$ = BDT 80
\$	US dollar	based on 1\$ = BDT 80
€	European Euro	based on 1€ = BDT 90

Note: Exchange rates were current at the time of writing this report, but currency rates change daily; the above is for indication only.

FOREWORD

Medical equipment items are the most expensive material goods in a health care facility. As part of technical assistance from USAID-supported SIAPS (implemented by MSH) to ensure access to quality products, we have developed a standard table of equipment (TOE) in collaboration with the Ministry of Health and Family Welfare (MOHFW). This TOE is a prerequisite tool of health care technology management for equipment used at 10-, 20-, 50-, 250-, and 500-bed health facilities.

This Price Guide (PG) provides reasonable and reliable information on medical equipment prices based on specifications mostly reflected in the TOE. The information in this PG builds on Central Medical Stores Depot (CMSD) data from past orders, local suppliers information, extracts from various websites, informed estimates based on past experiences and consultant's own database.

We hope this PG will provide the necessary information about the estimated prices that might be required during planning and evaluation of the procurement of medical equipment to help the different components of the MOHFW's procurement and supply management cycles make informed decisions when procuring medical equipment from different entities.

ACKNOWLEDGMENTS

First of all, we would like to express our sincere gratitude to MOHFW's respective policy makers; professors, associate professors, and assistant professors of medical college hospitals and specialized hospitals; Line directors (LDs) and program managers of the Directorate General of Health Services (DGHS); dedicated managers of the National Electro-Medical Equipment Maintenance Workshop (NEMEW) and Training Center; civil surgeons and consultants of district hospitals; the director and dedicated staff of CMSD as key procuring entities of medical equipment; and upazila health and family planning officers who provided their support and participated in consensus building workshops for this assignment.

Finally, SIAPS would like to express its sincere thanks and appreciation to short-term international and local consultants for providing their perspectives on the standardization of Price Guide of medical equipment for this document.

EXECUTIVE SUMMARY

The SIAPS Program funded by USAID and implemented by MSH in collaboration with the MOHFW has developed this medical equipment PG to help public health care facilities of Bangladesh create a realistic annual procurement plan and purchase safe, efficient, and fairly priced medical equipment.

With modern technology, no health care facility can deliver sound health services without medical equipment, clinical engineering, and technology professionals. Medical equipment planning is, therefore, the most important factor for establishing a new hospital and for continuing to provide quality hospital services. And in most developed countries, the health system typically follows standard rules, regulations, and practices of health care technology.

However, a durable investment in medical equipment comes with a major cost, so it is key to ensure the best value. When procuring medical equipment, one should also consider other aspects of the process such as selection, quantification, bidding, quality assurance, and expeditious clearance and receipt of the procured items.

This PG uses data from CMSD about past orders, local supplier information, excerpts from various websites, and informed estimates based on past experiences to provide as accurately as possible reasonable and reliable information on the prices of approximately 500 pieces major medical equipment and medical furniture for comparison. We have organized the equipment by category of services and type of equipment and provided the prices for a one-two year warranty, a three-year warranty and, for some special equipment, five-year warranty.

This PG can be used as a reference price to:

- Determine the probable cost of products
- Compare current prices paid with prices available on the international market
- Plan budgets and programs
- Estimate cost of packages and evaluate bids
- Assess the potential financial impact of changes to current medicines list
- Support education about rational medicine use
- Planning new hospital

When developing indicative prices, it is necessary to note specifications for each of the products in the TOE and past procurements.

We recommend that the MOHFW strategically decide on medical equipment pricing and acquisition and follow the approved TOE to ensure need-based procurement planning of medical equipment. Comparative price information is important for getting the best price and avoiding unfair procurement practices, and this PG is an essential reference for anyone involved in the medical equipment procurement process.

BACKGROUND

In a transparent procurement method, bids from competing contractors, suppliers, or vendors are invited by openly advertising the scope, specifications, and terms and conditions of the proposed contract as well as the criteria by which the bids will be evaluated. Competitive bidding aims to obtain goods and services at the lowest prices by stimulating competition and preventing favoritism. To help you make better decisions on pricing and on the quality and utility of medical equipment, this PG will indicate whether a price is too high or too low—both of which may indicate issues about reliability and fair pricing.

Medical equipment prices depend on many continually changing factors, including Specifications, list of spare parts or accessories, exchange rates, shipping costs, labor rates, installation conditions, and warranty. So the only way to obtain current accurate costs is to request a formal quotation from a manufacturer or authorized supplier, which is usually time consuming.

Each medical equipment item particularly the highly technical ones can be specified in a multitude of ways, meaning the same equipment can be operated by different means with different outputs. And this means each specification could have a different cost. One must also not ignore the impact that technological advances have on price.

This PG will:

- Help you avoid sub-standard equipment purchases
- Serve as an indicative price benchmark in the bidding process
- Increase efficiency and economy in the procurement process, thereby reducing rebidding
- Enable MOHFW's procuring entities, LDs, and health facilities to develop a realistic procurement plan with estimated unit prices for items

The MOHFW implementing the Health, Population, and Nutrition Sector Program (HPNSP) since July 2017 to ensure quality and equitable health care for all citizens of Bangladesh. The program aims to stimulate demand and improve access to and utilization of health, population, and nutrition services. Improved access and utilization will reduce maternal, child, and infant morbidity and mortality; decrease population growth; and improve nutritional status among women, children, and the vulnerable population. Access to the right diagnostics and better equipped facilities is seen as key to improving access to care and treatment.

Under HPNSDP, electro-medical equipment and instruments are procured to support treatment and care for all levels of health facilities (i.e., primary, secondary, and tertiary and specialized hospitals). Well-functioning medical equipment is seen as essential for providing effective and efficient health services, and the procurement of medical equipment is considered a major part of the public sector health investment in Bangladesh, requiring close monitoring.

However, estimating unit prices of medical equipment is a real challenge for health facilities' user departments and LDs, keeping them from making realistic procurement plans. With the mandate for system strengthening and capacity building of the USAID/SIAPS project, the

MOHFW needs technical assistance to develop an updated PG for medical equipment using a market survey. On behalf of the MOHFW, SIAPS engaged both an international and a local consultant on a short-term basis with relevant experience to develop the price guide for medical devices and equipment.

To strengthen the different components of MOHFW's procurement and supply management cycles—especially for medical equipment—an assessment of the current status of medical equipment and its management was conducted by studying a representative sample of equipment supplied under the Health and Population Sector Program from 2000 to 2005. The assessment was funded by the International Development Association and the Multi-Donor Trust Fund (managed by the World Bank), conducted by Simed International, and named the “Bangladesh Medical Equipment Survey 2008”. The assessment found that only 50% of equipment supplied under the program from 2000 to 2005 was effectively used at its final destination. The main reasons behind ineffectiveness of the other 50% of the equipment were noted as the lack of comprehensive equipment planning, failures in the delivery system, absence of adequate maintenance, and combinations of these. The survey provided MOHFW with recommendations, one of which was to formulate and apply a standard TOE for all levels of health service delivery. Based on that recommendation, DGHS drafted a policy guideline for the Medical device in January, 2013.

In 2012, Simed International conducted another study of the equipment supplied from 2006 to 2011 under the Health, Nutrition and Population Sector Program (HNPS). Based on the study findings, Simed International proposed establishing a medical technology department at the MOHFW, along with drafting a TOE for 10-, 20-, 31-, 50-, 100-, 250-, and 500-bed hospitals. Following this, in a meeting with Honorable Minister for MOHFW on September 22, 2013, SIAPS was asked to update the standard TOE for MOHFW. Later, this was also discussed in the development partners' meeting held in January 2014 and included in the follow-up action plan of the Bangladesh Medical Equipment Survey 2012 facilitated by the World Bank.

As MOHFW proceeded strategically toward upgrading and standardizing primary and secondary level health facilities, the primary level would include only 50-bed hospitals and the secondary level would include only 250-bed hospitals. Finally, it was decided that SIAPS would develop a TOE for 50-bed health facilities in the Upazila region (a sub-district level), 250-bed facilities at district level, and 500-bed and higher facilities for medical college hospitals. Later, the MOHFW requested SIAPS to include 10- and 20-bed facilities for rural health centers under DGHS and maternal and child welfare centers under Directorate General of Family Planning.

Assignment Objective

The consultancy's objective was to produce an updated and comprehensive medical devices and equipment PG for MOHFW, its different LDs, and CMSD based on past procurement practices, current international and local supplier price information, and accepted specifications of standard medical devices and equipment.

The PG includes the following parameters:

- Equipment's' final destination point (i.e., CMSD, DGHS, Dhaka, Bangladesh)
- Consideration of a one- to five-year warranty period range
- Different country of origin/variation in price/carriage and insurance paid (CIP) for international suppliers, and ex works deliver (EXW) for locals
- Brief description of each item and an indicative price (if there is no information on price from suppliers, then reliance on the Internet and past experiences should be acceptable)
- Based on pricing information, development of comparators and collate prices by range for the same/similar equipment (min/med/max/average, etc.)

METHODOLOGY

The consultant gathered information from discussions with relevant stakeholders, information on previous medical equipment contracts issued by CMSD, reviews of past and present orders for medical equipment, and discussions with suppliers. The SIAPS country team expedited the contracts for the sources of information and arranged for the meetings. The technical sessions were held with different stakeholders and comments/suggestions were incorporated in the final PG.

The pricing exercise was based on the following:

- The TOE for up to 500-bed hospitals for selecting the medical equipment as it was assumed to be most inclusive of all lists. Individual items on the TOE were compared with those that were listed within the various contracts in the past three years; those similar items with identified prices were earmarked accordingly.
- MOHFW contracts for medical equipment over the past three years. Procurement desk numbers one to six at CMSD issued the contracts. Contract for medical equipment only from each desk was transformed into a suitable format and transferred on to an allocated sheet.
- Information and prices from suppliers
- Search sources from the electronic media
- Consultants private and personal database
- In the unlikely event, where gaps remained an educated guess was considered

A presentation was given to all attending a total of 29 representatives of local and international suppliers, all of which were encouraged to submit their prices and specifications for traded medical equipment.

Nine suppliers who were commended for their compliance provided procurement information (S.S. Scientific Corporation, Tradevision limited, Bengal Scientific & Surgical Co., Stream limited, Transmed Limited, Diamed, Pantech Enterprise Pvt. Ltd., Sunny Trading Agency, and Meditel[Pvt] Ltd).

The list of equipment was sorted in alphabetical order; medical equipment only were itemized to be used as the basis for the PG. Further additional items were added that were not covered by the TOE. Prices were unified in US dollars at exchange rates that were current at the time.

Items that were duplicated, unique, or in excess of requirement of this report within the supplier information were not used. Prices should be reviewed and updated on periodically as rates change to remain accurate.

SPECIFICATIONS

Specification determines the capital cost. We suggest using the following specifications as a guide:

- Specification of items as ordered (specification already issued and contracted by CMSD)
- Specifications suggested as general (generic and basic specifications for general medical equipment)

All specifications are intended to serve as only a guide and should be adjusted by the technical team as necessary. Specifications for all items must be reviewed regularly, ensuring details are generic, un-biased, and transparent with clear approximate parameters. Special emphasis must be placed on the more technical equipment to safeguard quality and technological advancement.

The guide has attached brief specifications (as 'Specifications' annexure) for the indicated prices of the items in the 'The Prices' annexure. It is advisable to consult the detailed specifications of the items in the home page of the Supply Chain Management Portal (SCMP) under 'resources'.

All past orders were based on a set of detailed technical specifications. Although these specifications may indicate the level of equipment acquired, they are actual past purchases and over time can change in price and specification due to variables such as technological advances, exchange rates, and labor rates.

The following are price types employed in this PG:

EXW: In contrast to the definition of ex-Works in the INCOTERM, the cost is based on prices of equipment already imported. Three estimates are provided: two-year warranty, three-year warranty and five-year warranty for applicable cases.

CIP: Cost includes Insurance and Freight paid up to the place of destination. Three estimates are provided: two-year warranty, three-year warranty and five-year warranty for applicable cases.

FOB: As mentioned in the INCOTERM, costs includes delivery of goods to designated vessel including loading. It doesn't include insurance and freight.

A: Estimates of mean costs based on prices from higher cost origin (from EU, USA, Japan, Canada, etc.).

B: Estimates of mean costs based on prices from lower cost origin (China, India, Pakistan, Korea, etc.).

Warranty

The most common warranty is a manufacturer or supplier warranting that the product is free from defects in materials and workmanship. This simply promises that the manufacturer properly constructed the product out of proper materials and implies that the product will perform for its intended purposes for a set period of time. This warranty does not include routine maintenance and does not cover wear and tear, misuse, and consumables, among other issues. The warranty conditions and details are always listed in small print and dictated by the manufacturer; in cases of extended warranty, this may vary and should be carefully considered before committing to extend the standard warranty time. In cases of high-quality equipment, extending the warranty from one year to three years would not have a great impact on the price. But on the lower end of quality, this may render the price higher because the supplier expects multiple breakdowns.

Just about all products come with a standard manufacturer's warranty, which typically covers the purchase for one year. Although the majority of minor malfunctions occur within the first year, major problems are more apt to occur much later. One may think that an extended warranty will cover anything that goes wrong with the purchase, but inevitably this is not true. Extended warranties are typically rife with exclusions and fine print. Be sure to read the terms and conditions to make sure it offers adequate protection.

The cost of extending the warranty may be higher than that indicated in this PG. This is mainly because most major breakdowns that arise on the more complex equipment appear later in life and, in government procurement, the warranty is accompanied by Performance Guarantee from the supplier. We strongly recommend weighing the economics of the five-year warranty, as it may not be commercially feasible to pay extra for a warranty that is superfluous to your needs. Items with different life cycles differ in requirements.

Using the PG

The PG is a continuous work in progress, and items listed will change with time; therefore, an annual official update is recommended.

To extract an evaluation for an item, one should first identify the item's specification; different specifications for the same item may result in a large variance of price. For example, Mayo scissors—a type of surgical scissors—may be made from stainless steel or titanium, have a polished or brushed finish, come in standard or extra-long sizes, and be straight or curved-bladed. Different varieties of Mayo scissors are used in all types of surgeries and come from numerous manufacturers around the world.

After selecting an item's specifications, select a similar item with similar specifications; the PG can be used to verify whether the estimated price(s) of an item(s) in the procurement plan are in line with standard or market prices.

Items heavily loaded with accessories would lean toward the high end of the price range, while basic items would lean toward the lower end.

Caution must be exercised when choosing specifications and costs as the variance is usually large between similar items from different sources. One has to consider the manufacturing, shipping, style of equipment, accessories, and currency, among other specifications.

The budgets within this PG are subject to:

- Estimates of any additional tasks required from the supplier
- Exchange rates to be adjusted
- Taxes, when applicable
- Date of when the procurement took place (If the expectation is more than six months from date of budget, an inflationary factor may be added.)
- Destination of equipment
- Changes in standards and conditions

Conversely, the price of an item fluctuates with the changes caused by the following factors:

- **Innovativeness:** Technologically updated item costs more than older models
- **Size:** The bigger the capacity the higher the price
- **Specifications:** High specification comes at a cost
- **Functions:** More functions increase the price
- **Accessories:** More accessories would increase the price
- **Brand:** Some brands cost more than others for same equipment
- **Consumables:** Startup consumables are free; anything extra will cost
- **Spare Parts:** If required, they will add to the cost
- **Warranty:** The period above the manufacturer standard is a premium
- **Origin:** Different origins of the same equipment have a different price
- **Destination:** Final destination affects cost
- **Currency:** Fluctuations are ceaseless
- **Inflation:** Time changes the price and varies from one country to another
- **Payment Method:** Banking charges and requiring financing, for example, will increase costs
- **Freight:** Method of shipping (air/sea/land) can increase cost
- **Taxes:** If applicable, they can increase cost
- **Politics:** Sanctions, for example, can increase costs

Principles of Purchasing Management

- Buying material of the right quality
- In the right quantity
- From the right source
- At the right price

- With the right service
- Delivered at the right place
- At the right time
- With the right mode of transport
- With the right contract

Purchasing Cycle/System

- Get requirements from user department with proper specification.
- Send the inquiry to the vendors (suppliers). (Request quotation.)
- Get the quotations from vendors.
- Make comparative statement.
- Negotiate the price and terms and conditions.
- Place the order to the right vendor.
- Follow up with the vendor.
- Get receipt and start inspection. (GRN)
- Prepare storage and record-keeping. (Batching)
- Invoice and provide payment.

Procurement Guideline that Affects Pricing

Previous studies in Bangladesh referenced the findings about budgets in the Bangladesh Medical Equipment Survey 2012. Table 2 clearly shows a great variance between the value package procurement plan and the value contract.

Internet

One can also view web pages to find specifications and prices. It is becoming more acceptable for suppliers to list their equipment online along with prices, catalogs, and manuals; however, prices are indicative only and may be out of date.

The following are examples of reliable websites:

UNICEF

[https://supply.unicef.org/unicef_b2c/app/displayApp/\(layout=7.0-12_1_66_67_115&carearea=%24ROOT\)/.do?rf=y](https://supply.unicef.org/unicef_b2c/app/displayApp/(layout=7.0-12_1_66_67_115&carearea=%24ROOT)/.do?rf=y)

UNICEF has a comprehensive, reliable, and accessible supply catalogue, which includes specifications and indication of price.

WHO

http://www.who.int/medical_devices/en/
http://www.who.int/medical_devices/innovation/core_equipment/en/index1.html
http://www.who.int/medical_devices/innovation/core_equipment/en/

Useful tool for information on medical devices and regulations

MOHFW

<http://www.mohfw.gov.bd/>
Information on local tenders and progress of various projects

Supply Chain Management System (SCMS)

<http://www.scms.pfscm.org/scms/ecatalog/>
Provides information, price, and specifications

National Health Service (NHS)

<http://www.supplychain.nhs.uk/capital/medical-equipment/>
Requires log-in to view current prices and specifications of all equipment

Other private websites from medical suppliers can also be found online but may only be used for informational purposes. Specifications should not be copied as they may bias the final result. However, some may have indicative prices of their goods, which may also be helpful.

Limitations

The PG was limited to a list of medical equipment used in primary and secondary level hospitals (i.e., 50-, 250-bed and 500-bed hospitals), so it is not exhaustive. It does not include instruments, medical surgical requisites (i.e., medical surgical requisite lists), or medical equipment used in tertiary level hospitals.

Key Findings

During the development of the PG, we observed that CMSD procurement desk officers were procuring the same medical equipment at different prices. Therefore, the process may vary even within a procuring entity.

The prices of medical equipment given by nine key suppliers of CMSD were at the upper limit. Also, the specification they provided was of a high upgraded quality that may not always be effective for CMSD.

The technical session and dissemination workshop participants noted their encouragement and requirement to include prices of medical surgical requisites and instrument items in the PG beyond medical equipment. For the next edition of the PG, users would like to see an estimation of the life expectancy of the equipment.

Finally, the prices in this PG are not static and depend on many factors, such as specifications, warranty, spare parts, and added features, as discussed earlier.

Recommendations

- Provide training on how to use the PG.
- Specifications and other information within this report may be published separately to those who need to be informed on the subject.
- PG prices should be restricted to those who have in-depth understanding on the use of such tools.
- Specifications should be updated periodically, particularly the highly technical specifications.
- PG is a work in progress. The indicative specifications and prices should be updated periodically based on contracts placed.
- Contracts should be unified across all procurement desks so they cost the same.
- The warranty period should be unified throughout all equipment.
- Maintenance should be considered for larger technical items, in addition to the warranty.
- Beware of fluctuations in exchange rates when using the PG.
- Every tender is unique. Adjust specifications based on the actual need to suit every tender.
- Adhere to local and international standards.
- Revisit and adjust the PG to suit needs, and provide training every time the PG is updated.

References

Simed International. Bangladesh Medical Equipment Survey 2012. March 2013.

Tappuni W. Pricing Guide, Medical Equipment, Bangladesh. Report submitted to Systems for Improved Access to Pharmaceuticals and Services (SIAPS), Management Sciences for Health; 2014.

Roshni FS, Zahid A, Daniel G, et al. Table of Organization and Equipment for 10-, 20-, 50-, 250- and 500-Bed Hospitals in Bangladesh: Standardization of Medical Equipment; 2016.

ANNEX - A
PRICING GUIDE

1 used 80 OT Table HS code-9402.90.90 33.07%
 1 euro 90 OT light HS code-9405.40.10 17.32%
 Additional tax for radiation based equipment 2.00%
 Tax on most of the remaining items 7.07%
 Insurance & Freight & brokers commission 1%+1% 2.00%
 Addition warranty up to 3 years @ 1% 1.00%
 Addition warranty for 4th & 5th years @ 2%+3% 5.00%

Group A countries : USA, Canada, Japan,
 Germany, UK, France, Italy, Netherlands,
 and other west European countries

Group B countries : China, India, Taiwan,
 Korea, Turkey and East European countries

Name of Items	Department/section	Price (LC)	1/2 years warranty			3 year warranty			5 year warranty			Group
			FOB	CIP	Exwork	FOB	CIP	Exwork	CIP	Exwork	ExWORK	
Air Compressor	Dental OPD	\$ 4,300	BDT 344,000	BDT 350,900	BDT 368,300	BDT 347,400	BDT 354,300	BDT 377,000				A
Analyzer Electrolyte, li	Psychiatry IPD	€ 9,000	BDT 810,000	BDT 826,200	BDT 867,300	BDT 818,100	BDT 834,500	BDT 876,000				A
Analyzer, Blood Gas, Auto	Clinical Pathology	€ 14,800	BDT 1,332,000	BDT 1,358,600	BDT 1,426,200	BDT 1,345,300	BDT 1,372,200	BDT 1,440,500				A
Analyzer, Chemistry, Fully Automated	Clinical Pathology	€ 29,000	BDT 2,610,000	BDT 2,662,200	BDT 2,794,500	BDT 2,636,100	BDT 2,688,800	BDT 2,822,400			BDT 2,963,500	A
Analyzer, Chemistry, Fully Automated	Clinical Pathology	\$ 12,500	BDT 1,009,000	BDT 1,020,000	BDT 1,070,700	BDT 1,010,000	BDT 1,030,200	BDT 1,081,400				B
Analyzer, Chemistry, Semi Automated	Clinical Pathology	€ 4,500	BDT 405,000	BDT 413,100	BDT 433,600	BDT 409,100	BDT 417,300	BDT 437,900				A
Analyzer, Chemistry, Semi Automated	Clinical Pathology	\$ 7,000	BDT 160,000	BDT 163,700	BDT 171,300	BDT 161,600	BDT 164,800	BDT 173,000				B
Analyzer, Chemistry, Semi Automated	Clinical Pathology	\$ 25,000	BDT 2,000,000	BDT 2,040,000	BDT 2,141,400	BDT 2,020,000	BDT 2,060,400	BDT 2,162,800				A
Analyzer, Coagulation, Auto	Hematology	\$ 25,000	BDT 2,000,000	BDT 2,040,000	BDT 2,141,400	BDT 2,020,000	BDT 2,060,400	BDT 2,162,800				A
Analyzer, Coagulation, Semi Auto	Clinical Pathology	\$ 6,000	BDT 480,000	BDT 489,600	BDT 513,900	BDT 484,800	BDT 494,500	BDT 519,000				A
Analyzer, Coagulation, Semi Auto	Hematology	\$ 6,000	BDT 480,000	BDT 489,600	BDT 513,900	BDT 484,800	BDT 494,500	BDT 519,000				A
Analyzer, Electrolyte Analyzer, Auto	Clinical Pathology	€ 12,000	BDT 1,080,000	BDT 1,101,600	BDT 1,156,400	BDT 1,090,800	BDT 1,112,600	BDT 1,168,000				A
Analyzer, Electrolyte Analyzer, Auto	Clinical Pathology	\$ 2,000	BDT 160,000	BDT 163,200	BDT 171,300	BDT 161,600	BDT 164,800	BDT 173,000				B
Analyzer, ESR, Auto	Clinical Pathology	€ 14,000	BDT 1,260,000	BDT 1,285,200	BDT 1,349,100	BDT 1,272,600	BDT 1,298,100	BDT 1,362,600				A
Analyzer, Haematology, 5 Part including Reticulocyte count and Fluid Cytology, Auto	Clinical Pathology	\$ 40,000	BDT 3,200,000	BDT 3,264,000	BDT 3,426,200	BDT 3,332,000	BDT 3,296,600	BDT 3,460,500			BDT 3,461,400	A
Analyzer, HbA1c (Glycated Hemoglobin)	Clinical Pathology	\$ 40,000	BDT 3,200,000	BDT 3,264,000	BDT 3,426,200	BDT 3,332,000	BDT 3,296,600	BDT 3,460,500				A
Analyzer, Urine, Auto	Clinical Pathology	€ 5,000	BDT 450,000	BDT 459,000	BDT 481,800	BDT 454,500	BDT 463,600	BDT 486,600				A
Analyzer, Blood Gas	ICU	€ 14,800	BDT 1,332,000	BDT 1,358,600	BDT 1,426,200	BDT 1,345,300	BDT 1,372,200	BDT 1,440,500				A
Analyzer, Blood Gas	ICU	\$ 1,300	BDT 104,000	BDT 106,100	BDT 111,400	BDT 105,000	BDT 107,100	BDT 112,500				B
Analyzer, Cell Counter	Blood Bank & Transfusion	€ 18,000	BDT 1,620,000	BDT 1,652,400	BDT 1,734,500	BDT 1,636,200	BDT 1,668,900	BDT 1,751,800				A
Analyzer, Electrolyte, Semi-automatic	Clinical Chemistry	€ 9,000	BDT 810,000	BDT 826,200	BDT 867,300	BDT 818,100	BDT 834,500	BDT 876,000				A
Anesthesia Machine with ventilator,	Common OT	\$ 9,000	BDT 720,000	BDT 734,400	BDT 770,900	BDT 727,200	BDT 741,700	BDT 778,600				B
Anesthesia Machine with ventilator, 12inch, 1xvaporizer	Common OT	€ 19,900	BDT 1,791,000	BDT 1,826,800	BDT 1,917,600	BDT 1,808,900	BDT 1,845,100	BDT 1,936,800				A
Anesthesia Machine with ventilator, 15inch, 2xvaporizer + Gas module+paramagnetic sensor	Common OT	€ 26,000	BDT 2,340,000	BDT 2,386,800	BDT 2,505,400	BDT 2,363,400	BDT 2,410,700	BDT 2,530,500				A
Apheresis Machine	Blood Bank & Transfusion	\$ 58,000	BDT 4,640,000	BDT 4,732,800	BDT 4,968,000	BDT 4,686,400	BDT 4,780,100	BDT 5,017,700			BDT 5,268,600	A

Price Guide of Medical Equipment

Apnea Monitor	Pediatrics Neonatal Ward	€	5,300	BDT 477,000	BDT 486,500	BDT 481,800	BDT 491,400	BDT 515,800	A
Apnea Monitor	Pediatrics General Ward	€	5,300	BDT 477,000	BDT 486,500	BDT 481,800	BDT 491,400	BDT 515,800	A
Arthroscopic Set	Orthopedic-OT	€	95,000	BDT 8,550,000	BDT 8,721,000	BDT 8,695,500	BDT 8,808,200	BDT 9,246,000	A
Arthroscopic Machine (Temporo-Mandibular)	Dental OPD	no		BDT 0.00	BDT 0.00	BDT 0.00	BDT 0.00	BDT 0.00	A
A-Scan	Ophthalmology/OPD	\$	17,500	BDT 1,400,000	BDT 1,428,000	BDT 1,414,000	BDT 1,442,300	BDT 1,514,000	A
Audiometer, Clinical	ENT- OPD	€	7,000	BDT 630,000	BDT 642,000	BDT 636,300	BDT 649,500	BDT 681,700	A
Audiometer, Impedance	ENT- OPD	€	7,500	BDT 675,000	BDT 688,500	BDT 681,800	BDT 695,400	BDT 729,900	A
Audiometer, Portable	ENT- OPD	€	3,000	BDT 270,000	BDT 275,400	BDT 272,700	BDT 278,200	BDT 292,000	A
Auto Cell Expresser	Blood Bank & Transfusion	€	21,000	BDT 1,890,000	BDT 1,927,800	BDT 1,908,900	BDT 1,947,100	BDT 2,043,800	A
Auto Refractometer	Ophthalmology/OPD	\$	10,600	BDT 848,000	BDT 865,000	BDT 856,500	BDT 873,600	BDT 917,100	A
Auto Refractometer	Ophthalmology/OPD	\$	8,750	BDT 700,000	BDT 714,000	BDT 707,000	BDT 721,100	BDT 757,000	A
Autoclave, 250 Liters, Bench-top	Microbiology/ Immunology	€	3,700	BDT 333,000	BDT 339,700	BDT 336,300	BDT 343,000	BDT 360,100	A
Autoclave, 250 Liters, Bench-top	Microbiology/ Immunology	€	2,500	BDT 200,000	BDT 204,000	BDT 202,000	BDT 206,000	BDT 216,200	A
Autoclave, 100 liter	Dental OPD	€	7,600	BDT 684,000	BDT 697,700	BDT 690,800	BDT 704,500	BDT 738,700	B
Autoclave, 100 liter	Dental OPD	€	4,200	BDT 336,000	BDT 342,700	BDT 339,400	BDT 346,200	BDT 363,400	B
Autoclave, Lab, 50 liter	Blood Bank & Transfusion	€	3,700	BDT 333,000	BDT 339,700	BDT 336,300	BDT 343,000	BDT 360,100	A
Autoclave, Lab, 30 liter	Blood Bank & Transfusion	€	2,500	BDT 200,000	BDT 204,000	BDT 202,000	BDT 206,000	BDT 216,200	B
Autoclave, Steam, Bench top	EYE-OT	€	3,700	BDT 333,000	BDT 339,700	BDT 336,300	BDT 343,000	BDT 360,100	A
Balance, Analytical, Digital, (0.1mg to 200g)	Microbiology/ Immunology	€	1,000	BDT 90,000	BDT 91,800	BDT 90,900	BDT 92,700	BDT 97,400	A
Balance, Digital, 1gm-1500gm	Blood Bank & Transfusion	€	600	BDT 54,000	BDT 55,100	BDT 54,500	BDT 55,600	BDT 58,400	A
Bath, Plasma Thawing	Blood Bank & Transfusion	€	9,300	BDT 837,000	BDT 845,200	BDT 845,400	BDT 862,300	BDT 905,200	A
Bio-feedback Machine	Blood Bank & Transfusion	\$	900	BDT 72,000	BDT 73,400	BDT 72,700	BDT 74,200	BDT 77,900	B
Biomatry Machine	Psychiatry IPD	no		BDT 0	BDT 0	BDT 0	BDT 0	BDT 0	A
Bio-Safety Cabinet, Class-2	Ophthalmology/OPD	\$	13,500	BDT 1,080,000	BDT 1,101,600	BDT 1,090,800	BDT 1,112,600	BDT 1,168,000	A
Bio-safety Laminar Flow	Clinical Pathology	€	3,900	BDT 351,000	BDT 358,000	BDT 354,500	BDT 361,600	BDT 379,600	A
Blood Bag Sinter	Microbiology/ Immunology	€	3,900	BDT 351,000	BDT 358,000	BDT 354,500	BDT 361,600	BDT 379,600	A
Blood Bank & Transfusion	Blood Bank & Transfusion	€	2,600	BDT 234,000	BDT 238,700	BDT 236,300	BDT 241,000	BDT 253,000	A
Blood Culture, Automated, 200 vials	Microbiology/ Immunology	€	75,000	BDT 6,750,000	BDT 6,885,000	BDT 6,817,500	BDT 6,953,900	BDT 7,299,500	A
Blood Culture, Automated, 250 vials	Microbiology/ Immunology	€	45,000	BDT 4,050,000	BDT 4,131,000	BDT 4,090,500	BDT 4,172,300	BDT 4,379,700	A
Blood Irradiation Equipment	Blood Bank & Transfusion	€	300,000	BDT 27,000,000	BDT 27,540,000	BDT 27,270,000	BDT 27,815,400	BDT 29,198,000	A
Blood Warmer	Standby-OT	€	3,890	BDT 350,100	BDT 357,100	BDT 353,600	BDT 360,700	BDT 378,600	A
Blood Warmer	Blood Bank & Transfusion	€	3,890	BDT 350,100	BDT 357,100	BDT 353,600	BDT 360,700	BDT 378,600	A
BMD (Bone-mineral densitometer)	Radiology and Imaging	\$	44,000	BDT 3,520,000	BDT 3,590,400	BDT 3,555,200	BDT 3,626,300	BDT 3,877,700	A
Bone Mineral Densitometer (BMD)	Radiology and Imaging	€	44,000	BDT 3,520,000	BDT 3,590,400	BDT 3,555,200	BDT 3,626,300	BDT 3,877,700	A
BP Machine, Ambulatory	Cardiology Ward	€	1,700	BDT 108,000	BDT 110,200	BDT 109,100	BDT 111,300	BDT 116,800	A
Brachytherapy unit with 10 Ir-192 sources & Applicator sets	Radiotherapy IPD	\$	625,000	BDT 50,000,000	BDT 51,000,000	BDT 50,500,000	BDT 51,510,000	BDT 54,085,500	A
Bronchoscope, Fiber optic	Thoracic surgery OPD	\$	8,500	BDT 680,000	BDT 693,600	BDT 686,800	BDT 700,500	BDT 735,400	A
Bronchoscope, Fiber-optic	Respiratory Medicine OPD	\$	8,500	BDT 680,000	BDT 693,600	BDT 686,800	BDT 700,500	BDT 735,400	A
Bronchoscope, pediatric	Respiratory Medicine OPD	\$	55,000	BDT 4,400,000	BDT 4,488,000	BDT 4,444,000	BDT 4,532,000	BDT 4,758,200	A
Bronchoscope, rigid	Respiratory Medicine OPD	€	4,500	BDT 405,000	BDT 413,100	BDT 409,100	BDT 417,300	BDT 437,900	A
Bronchoscope, rigid, with telescope	Thoracic surgery OPD	€	4,500	BDT 405,000	BDT 413,100	BDT 409,100	BDT 417,300	BDT 437,900	A
Bronchoscope, video	Thoracic surgery-OT	\$	40,000	BDT 3,200,000	BDT 3,264,000	BDT 3,232,000	BDT 3,296,000	BDT 3,460,500	A
B-Scan, Ocular, Ultrasound	Ophthalmology/OPD	\$	16,717	BDT 1,337,400	BDT 1,364,100	BDT 1,350,800	BDT 1,377,800	BDT 1,446,300	A
Burks Traction set	Orthopedic IPD	no		BDT 0	BDT 0	BDT 0	BDT 0	BDT 0	A
Cabinet, Medicine, refrigerator	Emergency IPD	€	4,950	BDT 445,500	BDT 454,400	BDT 450,000	BDT 459,000	BDT 481,800	A
Cabinet, Medicine, refrigerator	Gynaecology OPD	€	4,950	BDT 445,500	BDT 454,400	BDT 450,000	BDT 459,000	BDT 481,800	A
Cabinet, Medicine, refrigerator	Gynaecology IPD	€	4,950	BDT 445,500	BDT 454,400	BDT 450,000	BDT 459,000	BDT 481,800	A

Annex A. The Prices

Electro-Surgical Unit, 400 W, vessel sealing, TURP	Common OT	\$ 39,300	BDT 3,144,000	BDT 3,206,900	BDT 3,366,300	BDT 3,175,400	BDT 3,238,900	BDT 3,400,000	A
Electro-Surgical Unit, 400 W, vessel sealing, TURP	Common OT	\$ 13,900	BDT 1,117,000	BDT 1,134,200	BDT 1,190,600	BDT 1,123,100	BDT 1,145,600	BDT 1,202,500	B
Electro-Surgical Unit, 400W	Orthopedic-OT	€ 15,400	BDT 1,386,000	BDT 1,413,700	BDT 1,484,000	BDT 1,399,900	BDT 1,427,900	BDT 1,498,800	A
Electro-Surgical Unit, 100 W,	Causality-OT	€ 2,500	BDT 225,000	BDT 229,500	BDT 240,900	BDT 227,300	BDT 231,800	BDT 243,300	A
Electro-Surgical Unit, 300 W	Common OT	€ 6,000	BDT 540,000	BDT 550,800	BDT 578,200	BDT 545,400	BDT 556,300	BDT 584,000	A
Electro-Surgical Unit, 300 W	Common OT	\$ 2,400	BDT 197,000	BDT 195,800	BDT 205,600	BDT 197,800	BDT 207,700	BDT 207,700	B
Electro-Surgical Unit, 300 W	Obstetrics-OT	€ 7,000	BDT 630,000	BDT 642,600	BDT 674,500	BDT 636,300	BDT 649,000	BDT 681,200	A
Electro-Surgical Unit, 300 W (non stick forceps)	Neurosurgery-OT	€ 7,200	BDT 648,000	BDT 661,000	BDT 693,800	BDT 654,500	BDT 667,600	BDT 700,700	A
Electro-Surgical Unit, 300 W (non stick forceps)	Neurosurgery-OT	\$ 2,000	BDT 160,000	BDT 163,200	BDT 171,300	BDT 161,600	BDT 164,800	BDT 173,000	B
Electro-Surgical Unit, 300 W (non stick forceps)	Pediatric surgery-OT	€ 7,200	BDT 648,000	BDT 661,000	BDT 693,800	BDT 654,500	BDT 667,600	BDT 700,700	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Common OT	€ 18,900	BDT 1,701,000	BDT 1,735,000	BDT 1,821,300	BDT 1,718,000	BDT 1,752,400	BDT 1,832,500	A
TURP, Gastro software	Common OT	€ 24,000	BDT 2,160,000	BDT 2,203,200	BDT 2,312,700	BDT 2,181,600	BDT 2,225,200	BDT 2,335,800	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Common OT	€ 24,000	BDT 2,160,000	BDT 2,203,200	BDT 2,312,700	BDT 2,181,600	BDT 2,225,200	BDT 2,335,800	A
TURP, Gastro software, Argon software + Bipolar	Common OT	€ 24,000	BDT 2,160,000	BDT 2,203,200	BDT 2,312,700	BDT 2,181,600	BDT 2,225,200	BDT 2,335,800	A
resection instruments	Urology-OT	€ 25,000	BDT 2,250,000	BDT 2,295,000	BDT 2,409,100	BDT 2,272,500	BDT 2,318,000	BDT 2,433,200	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Microbiology/ Immunology	\$ 110,000	BDT 8,800,000	BDT 9,076,000	BDT 9,422,200	BDT 8,888,000	BDT 9,065,800	BDT 9,516,400	A
TURP, Gastro software, Argon software + Bipolar	Gastroenterology IPD (Endoscopy Room)	€ 2,000	BDT 180,000	BDT 183,600	BDT 192,700	BDT 181,800	BDT 185,400	BDT 194,600	A
resection instruments	ENT- OPD	€ 28,000	BDT 2,520,000	BDT 2,570,400	BDT 2,698,200	BDT 2,545,200	BDT 2,596,100	BDT 2,775,200	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	ENT- OPD	\$ 100,000	BDT 8,000,000	BDT 8,160,000	BDT 8,565,600	BDT 8,080,000	BDT 8,241,600	BDT 8,651,300	A
TURP, Gastro software, Argon software + Bipolar	Gastroenterology IPD (Endoscopy Room)	€ 40,000	BDT 3,600,000	BDT 3,672,000	BDT 3,854,500	BDT 3,636,000	BDT 3,708,700	BDT 3,893,000	A
resection instruments	Urology OPD	\$ 3,500	BDT 280,000	BDT 285,600	BDT 299,800	BDT 282,800	BDT 288,500	BDT 302,800	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Thoracic surgery-OT	€ 3,500	BDT 315,000	BDT 321,300	BDT 337,300	BDT 318,200	BDT 324,600	BDT 340,700	A
TURP, Gastro software, Argon software + Bipolar	Respiratory Medicine OPD	€ 16,400	BDT 1,476,000	BDT 1,500,500	BDT 1,580,400	BDT 1,490,800	BDT 1,520,600	BDT 1,596,200	A
resection instruments	Thoracic surgery OT	€ 3,500	BDT 315,000	BDT 321,300	BDT 337,300	BDT 318,200	BDT 324,600	BDT 340,700	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Thoracic surgery OPD	€ 650,000	BDT 58,500,000	BDT 59,670,000	BDT 62,636,000	BDT 59,085,000	BDT 60,266,700	BDT 63,262,400	A
TURP, Gastro software, Argon software + Bipolar	Urology-OT	\$ 100,000	BDT 8,000,000	BDT 8,160,000	BDT 8,565,600	BDT 8,080,000	BDT 8,241,600	BDT 8,651,300	A
resection instruments	Urology-OT	€ 15,000	BDT 1,350,000	BDT 1,377,000	BDT 1,445,400	BDT 1,363,500	BDT 1,390,800	BDT 1,459,900	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Cardiology Ward	\$ 8,000	BDT 640,000	BDT 652,800	BDT 685,200	BDT 646,400	BDT 659,300	BDT 692,100	B
TURP, Gastro software, Argon software + Bipolar	Cardiology Ward	€ 420	BDT 37,800	BDT 38,600	BDT 40,500	BDT 38,200	BDT 39,000	BDT 40,900	A
resection instruments	Dermatology - OPD exam room	€ 600	BDT 504,000	BDT 514,400	BDT 539,600	BDT 509,000	BDT 519,200	BDT 545,000	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	ENT- OPD	€ 5,600	BDT 80,000	BDT 81,600	BDT 85,700	BDT 82,400	BDT 86,600	BDT 90,800	B
TURP, Gastro software, Argon software + Bipolar	Gynaecology Labor room	\$ 3,700	BDT 333,000	BDT 339,700	BDT 356,500	BDT 336,300	BDT 343,000	BDT 360,100	A
resection instruments	Gynaecology Labor room	€ 2,000	BDT 160,000	BDT 163,200	BDT 171,300	BDT 161,600	BDT 164,800	BDT 173,000	B
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Standby-OT	\$ 1,400	BDT 112,000	BDT 114,200	BDT 119,900	BDT 113,100	BDT 115,400	BDT 121,100	A
TURP, Gastro software, Argon software + Bipolar	Standby-OT	\$ 1,400	BDT 112,000	BDT 114,200	BDT 119,900	BDT 113,100	BDT 115,400	BDT 121,100	A
resection instruments	Emergency OPD	€ 135,000	BDT 12,150,000	BDT 12,393,000	BDT 13,252,000	BDT 12,271,500	BDT 12,516,900	BDT 13,384,500	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Gynaecology OPD	€ 1,800	BDT 162,000	BDT 165,200	BDT 173,500	BDT 163,600	BDT 166,900	BDT 175,200	A
TURP, Gastro software, Argon software + Bipolar	Gynaecology OPD	€ 4,500	BDT 405,000	BDT 413,100	BDT 433,600	BDT 409,100	BDT 417,300	BDT 437,900	B
resection instruments	Gastroenterology IPD (Endoscopy Room)	\$ 90,000	BDT 7,200,000	BDT 7,344,000	BDT 7,709,000	BDT 7,272,000	BDT 7,417,400	BDT 7,788,300	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Orthopedic-OT	€ 1,800	BDT 162,000	BDT 165,200	BDT 173,500	BDT 163,600	BDT 166,900	BDT 175,200	A
TURP, Gastro software, Argon software + Bipolar	Blood Bank & Transfusion	€ 4,500	BDT 405,000	BDT 413,100	BDT 433,600	BDT 409,100	BDT 417,300	BDT 437,900	B
resection instruments	Clinical Pathology	\$ 90,000	BDT 7,200,000	BDT 7,344,000	BDT 7,709,000	BDT 7,272,000	BDT 7,417,400	BDT 7,788,300	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Orthopedic-OT	€ 1,800	BDT 162,000	BDT 165,200	BDT 173,500	BDT 163,600	BDT 166,900	BDT 175,200	A
TURP, Gastro software, Argon software + Bipolar	Blood Bank & Transfusion	€ 4,500	BDT 405,000	BDT 413,100	BDT 433,600	BDT 409,100	BDT 417,300	BDT 437,900	B
resection instruments	Clinical Pathology	\$ 90,000	BDT 7,200,000	BDT 7,344,000	BDT 7,709,000	BDT 7,272,000	BDT 7,417,400	BDT 7,788,300	A
Electro-Surgical Unit, 400 W, vessel sealing, Bipolar	Orthopedic-OT	€ 1,800	BDT 162,000	BDT 165,200	BDT 173,500	BDT 163,600	BDT 166,900	BDT 175,200	A
TURP, Gastro software, Argon software + Bipolar	Blood Bank & Transfusion	€ 4,500	BDT 405,000	BDT 413,100	BDT 433,600	BDT 409,100	BDT 417,300	BDT 437,900	B
resection instruments	Clinical Pathology	\$ 90,000	BDT 7,200,000	BDT 7,344,000	BDT 7,709,000	BDT 7,272,000	BDT 7,417,400	BDT 7,788,300	A

Price Guide of Medical Equipment

Monitor, Ambulatory Blood Pressure	Emergency IPD	€ 1,200	BDT 108,000	BDT 110,200	BDT 109,100	BDT 111,300	BDT 116,800	A
Monitor, Ambulatory Blood Pressure	Medicine IPD	€ 1,200	BDT 108,000	BDT 110,200	BDT 109,100	BDT 111,300	BDT 116,800	A
Monitor, Ambulatory Blood Pressure	Nephrology IPD	€ 1,200	BDT 108,000	BDT 110,200	BDT 109,100	BDT 111,300	BDT 116,800	A
Monitor, Ambulatory Blood Pressure	Respiratory Medicine IPD	€ 1,200	BDT 108,000	BDT 110,200	BDT 109,100	BDT 111,300	BDT 116,800	A
Monitor, Blood Collection	Blood Bank & Transfusion	€ 1,990	BDT 179,100	BDT 182,700	BDT 180,900	BDT 184,500	BDT 193,700	A
Monitor, Cardiac, Modular	ICU	€ 2,800	BDT 224,000	BDT 228,500	BDT 226,200	BDT 230,700	BDT 242,200	B
Monitor, Cardiac, preconfigured	ICU	€ 1,000	BDT 80,000	BDT 81,600	BDT 80,800	BDT 82,400	BDT 86,600	B
Monitor, Holter, with 2 recorder	Cardiology Ward	€ 3,700	BDT 333,000	BDT 339,700	BDT 336,300	BDT 343,000	BDT 360,100	A
Monitor, Multiparameter, IBP, NIBP, etCo2 & Temperature	Neurosurgery-OT	€ 6,180	BDT 494,400	BDT 504,300	BDT 499,300	BDT 509,300	BDT 534,700	B
Monitor, Patient	Nephrology Dialysis Unit	€ 1,000	BDT 80,000	BDT 81,600	BDT 80,800	BDT 82,400	BDT 86,600	A
Monitor, Patient (ECG, NIBP, SPO2)- Modular	Cardiology Ward	€ 7,800	BDT 724,000	BDT 728,500	BDT 726,200	BDT 730,700	BDT 742,200	B
Monitor, Patient (ECG, NIBP, SPO2)- preconfigured	Cardiology Ward	€ 1,200	BDT 96,000	BDT 97,900	BDT 97,000	BDT 98,900	BDT 103,800	B
Monitor, Patient (ECG, NIBP, SPO2, IBP, CO)- Modular	ICU	€ 8,180	BDT 654,400	BDT 667,500	BDT 660,900	BDT 674,100	BDT 707,700	B
Monitor, Patient (ECG, NIBP, SPO2, IBP, CO)- preconfigured	ICU	€ 2,000	BDT 160,000	BDT 163,200	BDT 161,600	BDT 164,800	BDT 173,000	B
Monitor, vital sign	Common OT	€ 600	BDT 48,000	BDT 49,000	BDT 48,500	BDT 49,500	BDT 51,900	B
MRI (Magnetic Resonance Imaging), Super conducting, 1.5T	Radiology and Imaging	€ 1,140,000	BDT 91,200,000	BDT 93,024,000	BDT 92,112,000	BDT 93,954,200	BDT 98,651,900	A
MRI (Magnetic Resonance Imaging), Super conducting, 1.5T	Radiology and Imaging	€ 1,140,000	BDT 91,200,000	BDT 93,024,000	BDT 92,112,000	BDT 93,954,200	BDT 98,651,900	A
MRI (Magnetic Resonance Imaging), Super conducting, 3T	Radiology and Imaging	€ 1,350,000	BDT 108,000,000	BDT 110,160,000	BDT 109,080,000	BDT 111,261,600	BDT 116,792,000	A
Near Vision Chart	Ophthalmology OPD	€ 3,200	BDT 256,000	BDT 261,100	BDT 258,600	BDT 263,800	BDT 276,800	A
Nebulizer, ultrasonic, Hospital grade	Standby-OT	€ 50	BDT 4,000	BDT 4,100	BDT 4,000	BDT 4,100	BDT 4,300	B
Nebulizer, ultrasonic, Hospital grade	Standby-OT	€ 450	BDT 36,000	BDT 36,700	BDT 36,400	BDT 37,100	BDT 38,900	A
Nerve Conduction Study (NCS)	Neuro-surgery OPD	€ 34,000	BDT 3,060,000	BDT 3,121,200	BDT 3,090,600	BDT 3,152,400	BDT 3,309,100	A
OGC (Ortho-pantomography)	Ophthalmology OPD	€ 125,000	BDT 11,250,000	BDT 11,475,000	BDT 11,362,500	BDT 11,589,800	BDT 12,165,900	A
OPG (Ortho-pantomography), digital	Dental OPD	€ 26,000	BDT 2,340,000	BDT 2,386,800	BDT 2,363,400	BDT 2,410,700	BDT 2,577,700	A
Ophthalmic Unit (Chair)	Dental OPD	€ 45,000	BDT 4,050,000	BDT 4,131,000	BDT 4,090,500	BDT 4,172,300	BDT 4,461,500	A
Ophthalmoscope	Ophthalmology OPD	€ 15,000	BDT 1,200,000	BDT 1,224,000	BDT 1,212,000	BDT 1,236,200	BDT 1,297,600	A
Ophthalmoscope	Pediatrics General Ward	€ 315	BDT 28,400	BDT 29,000	BDT 28,700	BDT 29,300	BDT 30,700	A
Ophthalmoscope, Direct	Psychiatry IPD	€ 315	BDT 28,400	BDT 29,000	BDT 28,700	BDT 29,300	BDT 30,700	A
Ophthalmoscope, Direct	Ophthalmology OPD	€ 315	BDT 28,400	BDT 29,000	BDT 28,700	BDT 29,300	BDT 30,700	A
Ophthalmoscope, Indirect	EYE-OT	€ 325	BDT 29,250	BDT 29,800	BDT 29,500	BDT 30,100	BDT 31,600	A
Ophthalmoscope, Indirect	Ophthalmology OPD	€ 3,250	BDT 292,500	BDT 298,400	BDT 295,400	BDT 301,300	BDT 316,300	A
Ophthalmoscope, pediatrics	EYE-OT	€ 320	BDT 28,800	BDT 29,400	BDT 29,100	BDT 29,700	BDT 31,100	A
Ophthalmic Unit	Pediatrics OPD	€ 15,000	BDT 1,200,000	BDT 1,224,000	BDT 1,212,000	BDT 1,236,200	BDT 1,297,600	A
Ophthalmoscope, Direct	Ophthalmology IPD	€ 315	BDT 28,400	BDT 29,000	BDT 28,700	BDT 29,300	BDT 30,700	A
Ophthalmoscope, Indirect	Ophthalmology IPD	€ 3,250	BDT 292,500	BDT 298,400	BDT 295,400	BDT 301,300	BDT 316,300	A
OT Light	Ophthalmology OPD	€ 10,000	BDT 900,000	BDT 918,000	BDT 909,000	BDT 927,200	BDT 1,066,400	A
OT Light, Ceiling, LED, double dome	Surgery OPD OT	€ 4,900	BDT 392,000	BDT 399,800	BDT 395,900	BDT 403,800	BDT 423,900	B
OT Light, Ceiling, LED, double dome with HD Camera + monitor on separate arm, 3 color,	Common OT	€ 24,000	BDT 2,160,000	BDT 2,203,200	BDT 2,181,600	BDT 2,225,200	BDT 2,559,400	A
OT Light, Ceiling, LED, double dome, 3 color	Common OT	€ 17,000	BDT 1,530,000	BDT 1,560,600	BDT 1,545,300	BDT 1,576,200	BDT 1,813,000	A
OT Light, Single Arm, Mobile, Battery Back-up	Gynaecology Labor room	€ 1,680	BDT 131,200	BDT 134,200	BDT 132,700	BDT 135,800	BDT 179,200	A

Annex A. The Prices

OT Light, Single arm, with battery, portable	Common OT	€ 1,680	BDT 151,200	BDT 177,400	BDT 152,700	BDT 155,800	BDT 179,200	A
OT Light, Single arm, with battery, portable	Common OT	\$ 600	BDT 48,000	BDT 51,400	BDT 48,500	BDT 49,500	BDT 51,900	B
OT Table	Gynaecology OPD	€ 14,000	BDT 1,260,000	BDT 1,676,682	BDT 1,272,600	BDT 1,298,100	BDT 1,693,400	A
OT Table	Surgery OPD OT	€ 14,000	BDT 1,260,000	BDT 1,676,682	BDT 1,272,600	BDT 1,298,100	BDT 1,693,400	A
OT Table, basic/ Manual	Common OT	€ 12,000	BDT 1,080,000	BDT 1,437,200	BDT 1,090,800	BDT 1,112,600	BDT 1,451,600	A
OT Table, Electro-Hydraulic with manual over-ride with Orthopedic attachment	Orthopedic-OT	€ 45,200	BDT 4,068,000	BDT 5,413,300	BDT 4,108,700	BDT 4,190,900	BDT 5,467,400	A
OT Table, Electro-Hydraulic with manual over-ride with Orthopedic attachment	Orthopedic-OT	\$ 14,000	BDT 1,120,000	BDT 1,199,200	BDT 1,131,200	BDT 1,153,800	BDT 1,211,200	B
OT Table, Electro-Hydraulic, manual over-ride	Common OT	€ 25,000	BDT 2,250,000	BDT 2,994,100	BDT 2,272,500	BDT 2,318,000	BDT 3,024,000	A
OT Table, Electro-Hydraulic, manual over-ride	Common OT	\$ 5,000	BDT 400,000	BDT 428,300	BDT 404,000	BDT 412,100	BDT 432,600	B
OT Table, Electro-Hydraulic, manual over-ride with Neurosurgery-OT	Neurosurgery-OT	€ 42,000	BDT 3,780,000	BDT 5,030,000	BDT 3,855,600	BDT 3,894,200	BDT 5,080,300	A
Neuro attachment								
OT Table, Powered	Common OT	€ 18,000	BDT 1,620,000	BDT 2,155,700	BDT 1,636,200	BDT 1,668,900	BDT 2,177,300	A
OT Table, powered with Orthopedic attachment	Orthopedic-OT	€ 38,000	BDT 3,420,000	BDT 4,551,000	BDT 3,484,200	BDT 3,523,300	BDT 4,596,500	A
OT Table, Powered, with Neuro attachments	Neurosurgery-OT	€ 36,000	BDT 3,240,000	BDT 4,311,500	BDT 3,304,800	BDT 3,337,800	BDT 4,354,600	A
Otoscope	ENT- OPD	€ 200	BDT 18,000	BDT 19,300	BDT 18,200	BDT 18,600	BDT 19,500	A
Otoscope	ENT- OPD	€ 200	BDT 18,000	BDT 19,300	BDT 18,200	BDT 18,600	BDT 19,500	A
Otoscope	ENT- Ward	€ 200	BDT 18,000	BDT 19,300	BDT 18,200	BDT 18,600	BDT 19,500	A
Oven, Hot Air, 50 Liter	Blood Bank & Transfusion	€ 1,700	BDT 108,000	BDT 115,600	BDT 109,100	BDT 111,300	BDT 116,800	B
Oven, Hot Air, 50 Liter	Blood Bank & Transfusion	\$ 550	BDT 44,000	BDT 47,100	BDT 44,400	BDT 45,300	BDT 47,600	B
Oven, Hot Air, 50 Liter	Clinical Pathology	€ 1,700	BDT 108,000	BDT 115,600	BDT 109,100	BDT 111,300	BDT 116,800	A
Oven, Hot Air, 50 Liter	Histo Pathology	€ 1,200	BDT 108,000	BDT 110,200	BDT 109,100	BDT 111,300	BDT 116,800	A
Oven, Hot Air, 50 Liter	Microbiology/ Immunology	€ 1,700	BDT 108,000	BDT 115,600	BDT 109,100	BDT 111,300	BDT 116,800	A
Paraffin Dispenser	Histo Pathology	\$ 3,000	BDT 240,000	BDT 257,000	BDT 242,400	BDT 247,200	BDT 259,600	A
Patient Examination Bed (Tilted)	Dermatology-OPD nursing unit	€ 2,900	BDT 261,000	BDT 279,500	BDT 263,600	BDT 268,900	BDT 282,300	A
Patient Examination Bed (Tilted)	Dermatology-OPD nursing unit	\$ 1,000	BDT 80,000	BDT 85,700	BDT 80,800	BDT 82,400	BDT 86,600	B
Patient Monitor	Dermatology-IPD	\$ 6,180	BDT 494,400	BDT 529,400	BDT 499,300	BDT 509,300	BDT 534,700	A
PCNL (Percutaneous Nephroscope) with accessories	Urology-OT	€ 10,000	BDT 900,000	BDT 918,000	BDT 909,000	BDT 927,200	BDT 973,200	A
PCNL (Percutaneous Nephroscope) with accessories	Urology-OT	\$ 7,700	BDT 616,000	BDT 628,300	BDT 622,200	BDT 634,600	BDT 666,200	A
Peak Expiratory Flow meter with accessories	Medicine IPD	€ 2,000	BDT 180,000	BDT 192,700	BDT 181,800	BDT 185,400	BDT 194,600	A
Pelvic Traction set	Orthopedic IPD	€ 5,000	BDT 450,000	BDT 481,800	BDT 464,500	BDT 463,600	BDT 486,600	A
pH meter	Clinical Pathology	\$ 1,800	BDT 144,000	BDT 146,900	BDT 145,400	BDT 148,300	BDT 155,700	A
Phaco-emulsifier with Reusable Cassette, set	EYE-OT	€ 48,000	BDT 4,320,000	BDT 4,625,400	BDT 4,363,200	BDT 4,450,500	BDT 4,671,700	A
Pharyngoscope	ENT- OPD	€ 5,800	BDT 532,000	BDT 558,900	BDT 527,200	BDT 537,700	BDT 564,500	A
Phototherapy Machine	Pediatrics Neonatal Ward	€ 1,400	BDT 126,000	BDT 134,900	BDT 127,300	BDT 129,800	BDT 136,200	A
Phototherapy Machine	Pediatrics General Ward	€ 1,400	BDT 126,000	BDT 134,900	BDT 127,300	BDT 129,800	BDT 136,200	A
Platelet Shaker with Incubator	Blood Bank & Transfusion	€ 5,640	BDT 507,600	BDT 517,800	BDT 512,700	BDT 523,000	BDT 548,900	B
Pneumoscope Machine	Respiratory Medicine OPD	\$ 25,000	BDT 2,000,000	BDT 2,141,400	BDT 2,060,400	BDT 2,060,400	BDT 2,162,800	B
Pulse Oxy meter (Pediatric sensor)	Pediatrics Neonatal Ward	\$ 600	BDT 48,000	BDT 51,400	BDT 48,500	BDT 49,500	BDT 51,900	A
Pulse Oxy meter (Pediatric sensor)	Pediatrics General Ward	\$ 600	BDT 48,000	BDT 51,400	BDT 48,500	BDT 49,500	BDT 51,900	A
Pulse Oxymeter	Medicine IPD	\$ 600.00	BDT 48,000	BDT 49,000	BDT 48,500	BDT 49,500	BDT 51,900	A
Pulse Oxymeter	Nephrology Dialysis Unit	\$ 600	BDT 48,000	BDT 51,400	BDT 48,500	BDT 49,500	BDT 51,900	A
Pulse Oxymeter	Respiratory Medicine IPD	\$ 600	BDT 48,000	BDT 51,400	BDT 48,500	BDT 49,500	BDT 51,900	A
Pulse Oxymeter	Psychiatry IPD	\$ 600	BDT 48,000	BDT 51,400	BDT 48,500	BDT 49,500	BDT 51,900	A
Pulse Oxy-meter	Gastroenterology IPD (Endoscopy Room)	\$ 600	BDT 48,000	BDT 51,400	BDT 48,500	BDT 49,500	BDT 51,900	A

pl refer specs

Price Guide of Medical Equipment

Ultrasound, endobronchial	Respiratory Medicine OPD	\$ 110,000	BDT 8,800,000	BDT 8,976,000	BDT 9,422,200	BDT 8,888,000	BDT 9,065,800	BDT 9,516,400	A
Upper GI Endoscope, Video System	Gastroenterology IPD (Endoscopy Room)	\$ 65,000	BDT 5,200,000	BDT 5,304,000	BDT 5,567,600	BDT 5,252,000	BDT 5,357,000	BDT 5,623,300	A
Uretero-renaloscope, semi-rigid, long, adult, with accessories	Urology-OT	€ 9,500	BDT 855,000	BDT 872,100	BDT 915,400	BDT 863,600	BDT 880,900	BDT 924,600	A
Uretero-renaloscope, semi-rigid, Pediatrics, with accessories	Urology-OT	€ 8,700	BDT 783,000	BDT 798,700	BDT 838,400	BDT 790,800	BDT 806,600	BDT 846,800	A
Uretero-renaloscope, semi-rigid, short, adult, with accessories	Urology-OT	€ 9,000	BDT 810,000	BDT 826,200	BDT 867,300	BDT 818,100	BDT 834,500	BDT 876,000	A
Urethrotome, Optical, adult, with accessories	Urology-OT	€ 6,800	BDT 612,000	BDT 624,200	BDT 655,300	BDT 618,100	BDT 630,500	BDT 661,900	A
Urethrotome, Optical, pediatrics, with accessories	Urology-OT	€ 5,500	BDT 495,000	BDT 504,900	BDT 530,000	BDT 500,000	BDT 510,000	BDT 535,300	A
Urethrotome, Otis	Urology-OT	€ 1,700	BDT 108,000	BDT 110,200	BDT 115,600	BDT 109,100	BDT 111,300	BDT 116,800	A
Urodynamic Machine	Gynaecology OPD	€ 18,000	BDT 1,620,000	BDT 1,632,400	BDT 1,734,500	BDT 1,636,200	BDT 1,668,900	BDT 1,751,800	A
Urodynamic Machine with accessories	Urology OPD	€ 25,000	BDT 2,250,000	BDT 2,295,000	BDT 2,409,100	BDT 2,272,500	BDT 2,318,000	BDT 2,433,200	A
Uroflowmetry Machine with accessories	Urology OPD	€ 6,000	BDT 540,000	BDT 550,800	BDT 578,200	BDT 545,400	BDT 556,300	BDT 584,000	A
VDRL Rotator	Blood Bank & Transfusion	€ 980	BDT 88,200	BDT 90,000	BDT 94,400	BDT 89,100	BDT 90,900	BDT 95,300	A
VDRL Rotator	Blood Bank & Transfusion	\$ 150	BDT 12,000	BDT 12,200	BDT 12,800	BDT 12,100	BDT 12,300	BDT 12,900	B
Ventilator, ICU, 12 inch	ICU	\$ 7,000	BDT 560,000	BDT 571,200	BDT 599,600	BDT 565,600	BDT 576,900	BDT 605,600	B
Ventilator, ICU, 18 inch	ICU	€ 26,000	BDT 2,340,000	BDT 2,386,800	BDT 2,505,400	BDT 2,363,400	BDT 2,410,700	BDT 2,530,500	B
Ventilator, ICU, 8 inch	ICU	€ 17,000	BDT 1,530,000	BDT 1,560,600	BDT 1,638,200	BDT 1,545,300	BDT 1,576,200	BDT 1,654,600	A
Ventilator, Pediatric, dedicated	Pediatrics Neonatal Ward	€ 34,000	BDT 3,060,000	BDT 3,121,200	BDT 3,276,300	BDT 3,090,600	BDT 3,152,400	BDT 3,309,100	A
Ventilator, Transport	Emergency OPD	€ 16,000	BDT 1,440,000	BDT 1,468,800	BDT 1,541,800	BDT 1,454,400	BDT 1,483,500	BDT 1,557,200	A
Ventilator, Transport	Emergency OPD	\$ 6,000	BDT 480,000	BDT 489,600	BDT 513,900	BDT 484,800	BDT 494,500	BDT 519,000	B
Visual Field Analyser	Ophthalmology OPD	\$ 35,000	BDT 2,800,000	BDT 2,856,000	BDT 2,998,000	BDT 2,828,000	BDT 2,884,600	BDT 3,028,000	A
Vitreotomy Machine	EYE-OT	€ 70,000	BDT 6,300,000	BDT 6,426,000	BDT 6,745,400	BDT 6,363,000	BDT 6,490,300	BDT 6,812,900	A
Vortex Mixer	Clinical Pathology	€ 1,200	BDT 108,000	BDT 110,200	BDT 115,600	BDT 109,100	BDT 111,300	BDT 116,800	A
Vortex Mixer	Clinical Pathology	\$ 100	BDT 8,000	BDT 8,200	BDT 8,600	BDT 8,100	BDT 8,300	BDT 8,700	B
Water Bath, Digital	Blood Bank & Transfusion	€ 540	BDT 48,600	BDT 49,600	BDT 52,000	BDT 49,100	BDT 50,100	BDT 52,500	B
Water Bath, Digital	Blood Bank & Transfusion	\$ 250	BDT 20,000	BDT 20,400	BDT 21,400	BDT 20,200	BDT 20,600	BDT 21,600	B
Water Bath, Digital, 20 Liters	Clinical Pathology	€ 800	BDT 72,000	BDT 73,400	BDT 77,100	BDT 72,700	BDT 74,200	BDT 77,900	A
Water Bath, Digital, 20 Liters	Microbiology/Immunology	€ 800.00	BDT 72,000	BDT 73,400	BDT 77,100	BDT 72,700	BDT 74,200	BDT 77,900	A
Water Treatment Plan	Nephrology Dialysis Unit	\$ 8,000	BDT 640,000	BDT 652,800	BDT 685,200	BDT 646,400	BDT 659,300	BDT 692,100	A
Weight Measuring Scale, neonate	Obstetrics-OT	€ 37	BDT 3,330	BDT 3,400	BDT 3,600	BDT 3,400	BDT 3,500	BDT 3,600	A
Wood's Lamp (U-V Examination Lamp)	Dermatology - OPD exam room	€ 750	BDT 67,500	BDT 68,900	BDT 72,300	BDT 68,200	BDT 69,600	BDT 73,000	A
X-Ray 1000 mA Digital Radiography (DR)	Radiology and Imaging	€ 155,000	BDT 13,950,000	BDT 14,229,000	BDT 15,215,300	BDT 14,089,500	BDT 14,371,300	BDT 15,367,500	A
X-Ray 200-300 mA, Portable	Radiology and Imaging	€ 18,000	BDT 1,620,000	BDT 1,652,400	BDT 1,766,900	BDT 1,636,200	BDT 1,668,900	BDT 1,784,600	A
X-Ray 500 mA Digital Radiography (DR)	Radiology and Imaging	€ 140,000	BDT 12,600,000	BDT 12,852,000	BDT 13,742,800	BDT 12,726,000	BDT 12,980,500	BDT 13,890,200	A

ANNEX - B
SPECIFICATION

OT Complex (Common)

OT Table, Electro-Hydraulic, manual over-ride

- All movements by Electro-hydraulic technology, including Manuel over ride
- Sliding table top - 300 mm, Return to 0 position (automatic leveling), Continuous X-ray tunnel from head to foot end, Safe working load: minimum 400 kg
- Hand switch + Second operating panel on the column
- Provision to attach Orthopedic attachment and Neuro attachment
- Including standard accessories

OT Light,Ceiling, LED, double dome

- Illumination 160,000 Lux + 160,000 Lux at 1 meter,
- 3 colors temperature between 3,500K to 5,000K
- 50,000 hours LED life
- CE or FDA

OT Light,Ceiling, LED, double dome, tri color, camera

- Illumination 160,000 Lux + 160,000 Lux at 1 meter,
- 3 colors temperature between 3,500K to 5,000K
- 50,000 hours LED life
- HD camera unit - 2.1 MPixel, full HD 1080p, total minimum 120x (optical 10x zoom & digital 12x)
- Monitor : 24 inch color, TFT on arm from ceiling

OT Light,Singlearm, portable, with battery

- Illumination at distance of 1 m: 120,000 lux
- LED, Colour temperature: 4,000K, life 20,000hr
- Battery for 2 hour back up

Electro-Surgical Unit,400 W, Bipolar TURP, vessel sealing

- 400 watt Monopolar, 350W bipolar outputs.
- 9 inches coloured touchscreen, 5 outputs (2 monopolar and 3 Bipolar)
- Simultaneous activation of 2 monopolar outputs and also two bipolar outputs
- TURP, Vessel sealing, Argon/gastro software
- Auto detection of connected instruments with corresponding settings
- Connection of a Double pedal and a single pedal foot switches simultaneously
- *Standard accessories of the equipment, TURP and vessel sealing*

Electro-Surgical Unit, 300 W

- 300 watt Monopolar, 120W bipolar
- 3 outputs (2 monopolar+1 Bipolar)
- *Gastro Cut, monopolar resection, argon connectivity*
- *Standard accessories.*

Suction Machine, electric

- On trolley, Vacuum 0- 650mmHg, 50 Litter/min
- Bottle capacity: 2 x 4000ml (4000cc + 4000cc)

Monitor, vital sign

- PR, SPO2 and NIBP, 7 inch monitor, 8 hours back up
- Standard accessories

Stool, revolving, Height adjustable

mobile on 5 castors (double swivel type, 62mm dia) with central brake –activated by foot, adjustable Seat height by gas spring with foot activation,

Trolley, Mayo's

Adjustable height table by foot pump from 900-1300mm for use near and over the surgical site.

Anesthesia Machine with ventilator

- Trolley with 3x Drawers
- 2x Vaporizers (Halothane / Isoflurane/ Sevoflurane)
- Ventilator modes : IMV, S-IMV, PCV, S-PCV, PSV, VTG, Manual respiration /spontaneous mode,
- 15.0" inch color TFT monitor, Touch screen, High frequency 3 to 80 l/min, Tidal Volume 3-600 ml suitable for neonate to adult
- Electronic rotameter
- 100 min backup

Anesthesia Machine with ventilator, 15inch, 2xvaporizer + Gas module + paramagnetic sensor

- Trolley with 3x Drawers
- 2x Vaporizers (Halothane / Isoflurane/ Sevoflurane)
- Ventilator modes : IMV, S-IMV, PCV, S-PCV, PSV, VTG, Manual respiration /spontaneous mode,
- 15.0" inch color TFT monitor, Touch screen, High frequency 3 to 80 l/min, Tidal Volume 3-600 ml suitable for neonate to adult
- Paramagnetic O2 sensor, Electronic rotameter, Multi gas analyzer with agent ID- of 5 anesthetic gases
- 100 min. power backup

Laryngoscope, fibre-optic,with all blade sizes

Stainless steel body and blades, 5 Macintosh blades, f/o

DUODENOSCOPE, VIDEO with ERCP set:

Comprising following -

- VIDEO IMAGING SYSTEM (CAMERA + LED LIGHT SOURCE)
- DUDENO VIDEOSCOPE
- 26 inch full HD LCD MONITOR
- Leak Tester:
- Printing System:
- Trolley: 04 Shelves, 1 Drawer, 1 Key Board Tray, Scope & Instruments Holder
- Standard ERCP accessories
- DIATHERMY WITH ARGON unit:300W, 2 monopolar and 1 bipolar outputs; Gastro Cut software for gastroenterology: Polypectomy&Papillotomy and endoscopic resections with loops or knife electrodes. Power adjustable in "slow", "medium" and "fast"

CUSA, Set (Ultrasonic Surgical Aspirator):

Frequency: 23 kHz and 36 kHz, handpiece recognition via one output
 Aspiration: Up to 26 in. Hg vacuum
 Irrigation rate: 1 to 29 cc/min.
 With standard accessories

COLONOSCOPE set, VIDEO

Note: the processor/camera, light source, workstation etc. of Duodenoscope can be used with this Colonoscope(no need to purchase again).

Ultrasonic Desiccator (Lotus LG4/Harmonic Scalpel / Enceal)

Comprising Ultrasonic Desiccator and Diathermy with vessel sealing

(A) Ultrasonic surgical Scalpel for Cutting and coagulation

- The energy generated in a transverse direction (90 degree) to reduce energy-scattering loss
- Large TFT screen to show all the parameters, power display, transducer status etc.
- Simultaneous current-free cutting and coagulation
- Life time of each transducer must be minimum 250 minutes in operation
- 180mm Hand piece, disposable - 10 pcs & Transducer, reusable – 1 pc
- 420mm Handpiece, disposable - 10 pcs, Transducer, reusable – 1 pc

<p>(B) Bipolar Diathermy with VESSEL sealing & Bipolar TURP sealing</p> <ul style="list-style-type: none"> ▪ 350 watt Monopolar, 350W bipolar outputs. ▪ 4 outputs (2 monopolar and 2 Bipolar) ▪ TURP, Vessel sealing, Argon software ▪ Auto detection of connected instruments with corresponding settings ▪ <i>Standard accessories.</i>
<p>Nebulizer, ultrasonic, Nebulization capacity: up to 4ml/minute or above</p>
<p>HD video monitoring with recording system, two monitors</p> <ul style="list-style-type: none"> ▪ High Definition 3 CCD camera ▪ LED Light source : 6500 degK, 20,000 hour LED life ▪ 24-inch medical grade monitor, resolution (1920x1200)
<p>Laparoscope, adult, with Surgical accessories Laparoscope 10 mm 30° autoclavable, working length 330 mm with all accessories (detailed in SCMP) Suction and Irrigation unit for Laparoscopy Insufflator , 30L/Min Trolley from same manufacturer with isolation transformer High Definition 3 CCD camera LED Light source : 6500 degK, 20,000 hour LED life 24-inch medical grade monitor, resolution (1920x1200)</p>
<p>Laparoscope, adult, with Gynae accessories Laparoscope 10 mm 0° & 10 mm 30° - 1pc each including all instruments & accessories (detail- SCMP) Suction and Irrigation unit for Laparoscopy Insufflator , 30L/Min Trolley from same manufacturer with isolation transformer High Definition 3 CCD camera LED Light source : 6500 degK, 20,000 hour LED life 24-inch medical grade monitor, resolution (1920x1200)</p>
<p>Defibrillator, External, Automated</p> <ul style="list-style-type: none"> ▪ Biphasic AED up to 360 Joules., ECG, 5.5 inch display
<p>Blood Warmer</p> <ul style="list-style-type: none"> ▪ 3 temperatures between 39-43 deg C ▪ heated jacket of 125-130cm
<p>OT Table, Electro-Hydraulic with manual over-ride with neuro attachment</p> <ul style="list-style-type: none"> ▪ All movements by Electro-hydraulic technology, including Manuel over ride ▪ Sliding table top - 300 mm, Return to 0 position (automatic leveling), Continuous X-ray tunnel from head to foot end, Safe working load: minimum 400 kg ▪ Hand switch + Second operating panel on the column ▪ Standard accessories + Neuro attachment
<p>OT Table, Powered, with neuro attachment Features:</p> <ul style="list-style-type: none"> ▪ All movements powered, Sliding table top - 300 mm, Return to 0 position (automatic leveling), Continuous X-ray tunnel from head to foot end, Safe working load: minimum 250 kg ▪ Hand switch + Second operating panel on the column ▪ Standard accessories + Neuro attachment
<p>Electro-Surgical Unit, 300W with NON-STICK forceps for Neuro surgery</p> <ul style="list-style-type: none"> ▪ 300 watt Monopolar, 120W bipolar ▪ 3 outputs (2 monopolar +1 Bipolar) ▪ <i>Gastro Cut, monopolar resection, argon connectivity</i> ▪ <i>Standard accessories + non-stick bipolar forceps – 4 pcs of different sizes</i>

<p>Monitor, Multi-parameter, IBP, NIBP, etCo2 & temperature Modular type (Pre configured type will not be acceptable), 15 inch TFT</p>
<p>C-Arm Machine, 25kw, FPD 30X30 for Neuro 25KW, 300KHU tube, Amorphous Silicon FPD 30x30, 1.5kX1.5K camera, 2x27 inch Medical grade monitors on trolley, Minimum 200,000 image storage CE or US-FDA certified</p>
<p>C-Arm Machine, 25kw, II for Neuro 25KW, 300KHU tube, II 9 inch, 1kX1K camera, 2x27 inch Medical grade monitors on trolley, Minimum 200,000 image storage CE or US-FDA certified</p>
<p>Microscope, Operating for Neurosurgery Overall composition of the operating Microscope:</p> <ul style="list-style-type: none"> ▪ Microscope Body: 01 set. ▪ Observation tubes: 02 sets ▪ Eyepieces: 02 sets ▪ Objectives: 01 set ▪ Illumination: 01 set ▪ Floor stand : 01 set ▪ Foot control panel: 01 set ▪ Stereoscopic Observer (Face to Face): 01 sets (Optional) ▪ Accessories: 01 set
<p>Craniotome, Set Brushless, Dual-Motor-System Power Tool, High-Speed 80'000 rpm, two motor connections to connect and run two hand pieces</p>
<p>OT Table, Electro-Hydraulic with manual over-ride with Orthopedic attachment</p> <ul style="list-style-type: none"> ▪ All movements by Electro-hydraulic technology, including Manuel over ride ▪ Sliding table top - 300 mm, Return to 0 position (automatic leveling), Continuous X-ray tunnel from head to foot end, Safe working load: minimum 400 kg ▪ Hand switch + Second operating panel on the column ▪ Standard accessories + Orthopedic attachment
<p>Electro-Surgical Unit, 400w for Orthopedic</p> <ul style="list-style-type: none"> ▪ 400 watt Monopolar, 350W bipolar outputs. ▪ 9 inches coloured touch screen, 5 outputs (2 monopolar and 3 Bipolar) ▪ Simultaneous activation of 2 monopolar outputs and also two bipolar outputs ▪ Vessel sealing, Argon/gastro software ▪ Auto detection of connected instruments with corresponding settings ▪ <i>Standard accessories</i> <p>Quality Standard: CE or FDA certificate of the offered item must be submitted with the offer</p>
<p>C-Arm Machine, 5kw, 9" Image Intensifier for Orthopedic 5KW, 200KHU tube, II 9 inch, 1kX1K camera, 2x26 inch Medical grade monitors on trolley, Minimum 3,000 image storage CE or US-FDA certified</p>
<p>Arthroscopy Set Endoscope 4.0 mm / 0° & 30° wide angle, 175 mm working length, autoclavable -1pc each with all instruments and accessories detailed in SCMP Arthroscopy Pump Trolley from same manufacturer with isolation transformer High Definition 3 CCD camera Xenon Light source 180w 24-inch medical grade monitor, resolution (1920x1200)</p>

<p>Cystoscope, Adult, rigid, with accessories Cystoscope/hysteroscope 4 mm/12°, working length 300 mm autoclavable incl. sheath, working element, biopsy forceps and grasping forceps</p>
<p>Cystoscope, Pediatric, rigid, with accessories Mini Cystoscope, autoclavable, 2,0 mm, 0°, WL 187 mm incl sheath, forceps, needles etc.</p>
<p><u>Cystoscope, Adult, flexible, with accessories (VIDEO SYSTEM)</u> Video system center Xenon light source, 300watt Hd camera head Cysto-nephrovideoscope High definition lcd monitor, 26 inch</p>
<p>Alternatively</p>
<p><u>Flexible Cystoscope with accessories: (Fibrescope)</u> Flexible Cysto-Urethro-Fiberscopes</p>
<p>RESECTOSCOPE, Adult with accessories, bipolar TUR accessories (SALINE WATER TUR) Bipolar TURP (Resection) set:</p> <ul style="list-style-type: none"> ▪ Cystoscope, autoclavable, 4.0 mm, 30°, working length 302 mm- 1 pc ▪ Bipolar working element large, passive, click system for optic 4mm - 1 pc ▪ Inner sheath for Resectoscope 24/26ch., rotatable, click/click - 1 pc ▪ Continuous-flow outer sheath for Resectoscope 26fr./ch., rotatable - 1 pc ▪ Standard obturator 24/26 ch, click - 1 pc ▪ Bipolar knife electrode, loop electrode, ball electrode - 5 pcs each
<p>Resectoscope, Pediatrics, with accessories (Monopolar)</p> <ul style="list-style-type: none"> ▪ Mini Cystoscope, autoclavable, 2,0 mm, 0°, WL 187 mm – 1pc ▪ Resectoscope sheath with 1 rotatable, stopcock, 11 Fr. – 1 pc ▪ Standard obturator for 11 Fr. Resectoscope sheath – 1pc ▪ Working element passive, closed ring, pediatric. – 1pc ▪ Bipolar knife electrode, loop electrode, ball electrode - 5 pcs each
<p>Urethrotome, Optical, adult, with accessories CYSTOSCOPE/HYSTEROSCOPE 4 MM/12° HM, WORKING LENGTH 300 MM AUTOCLAVABLE, passive working element, sheath cold knife etc.</p>
<p>Urethrotome, Optical, pediatrics, with accessories</p> <ul style="list-style-type: none"> ▪ Mini Cystoscope, autoclavable, 2,0 mm, 0°, WL 187 mm, Urethrotome sheath ▪ Working element passive, Cold cutting scalpel, sickle
<p>Uretero-renoscope, semi-rigid, long, adult, with accessories</p> <ul style="list-style-type: none"> - Uretero-Renoscope "HD" 6°, autoclavable, 425mm, HD technology. 40.000 Pixel - Instrument channel- 1 x 6 Ch or 2 x 3 Ch - Biopsy forceps flexible, Grasping forceps flexible, 5 ch., Scissors flexible 5 ch.,
<p>Uretero-renoscope, semi-rigid, short, adult, with accessories</p> <ul style="list-style-type: none"> - Uretero-Renoscope "HD" 6°, autoclavable, 315mm, HD technology. 40.000 Pixel - Instrument channel- 1 x 6 Ch or 2 x 3 Ch - Biopsy forceps flexible, Grasping forceps flexible, 5 ch., Scissors flexible 5 ch., Working Length 315 mm,.
<p>Uretero-renoscope, semi-rigid, Pediatrics, with accessories Uretero-Renoscope, 4 Fr., 6°, autoclavable, 2 lateral irrigation ports and 1 working channel, fiber optic light transmission should be incorporated Grasping Forceps for stone fragments, double action jaws, compatible</p>
<p>Urethrotome, Otis, parallel expanding, length of dilating surface 16cm, with 2 knives</p>
<p>Lithotripter, Pneumatic, with accessories</p>

- Sealed, autoclavable pneumatic handpiece with 3 m compressed air connection tube
- Selection of lower and higher impulse frequency range, depending on stone size
- Double foot pedal
- Suction system for simultaneous evacuation of stone fragments and better fragmentation control in kidney, ureter, bladder which reduces stone push back
- Output energy: minimum 85 mj
- Multiple impulse frequency adjustable between 1-12 Hz by 1 Hz

The system should consist of

- Control unit
- Electrical foot pedal
- Pneumatic Hand piece kit – 1 set
- Probes of 4 pcs
- Cordless and portable lithotripter
 - Battery operated, rechargeable battery, 800mAh
 - Energy output : minimum 85mJ, Operating mode : +/- 3 Hz

Lithotripter, ultrasonic With accessories

- Ultrasonic and Pneumatic combination lithotripter for faster and safer removal particularly of large stone burdens
- Separate application of pneumatic or ultrasonic lithotripsy & suction as well as simultaneous application
- Control of pneumatic & ultrasonic lithotripsy and suction via one foot twin pedal.
- Mode of operation: Continuous operation
- Output energy: Ultrasonic up to minimum 75W and Pneumatic up to minimum 85 mj
- Ultrasonic frequency : 24 - 26 kHz, Pneumatic pulse rate adjustable between 1 – 12 Hz (single Hz increments) or single impulse release
- **Ultrasonic Lithotripter**
 - Controlled suction because of integrated peristaltic valve
 - Effective suction and disintegration of soft stones and stone fragments
 - Faster stone clearance – less blockage
 - * Optimized fragment transport through dedicated suction connectors
 - * Enhanced ultrasound effectiveness
 - Ultrasonic probe sizes and length: 3.8 / 3.3 mm dia., length 403 and 330mm
 - Miniperc ultrasonic probe, compatible with mini nephroscopes / pediatric nephroscopes with =>6 Fr- working channel.
 - Long-lasting ultrasound probes
- **Pneumatic Lithotripter technology**
 - ballistic principle
 - Reduced probe displacement which ensures less push-back & greater fragmentation control
- **Suction System**
 - Offers simultaneous suction and lithotripsy not only for kidney and bladder but also for the ureter.
 - Pneumatic handpiece can be connected via quick coupling mechanism within seconds either with the ultrasound hand piece or with the suction system.
 - Ultrasound Hand piece kit – 1 set
 - Ultrasonic Probes of following specifications or equivalent,
 - Pneumatic Hand piece kit
 - Pneumatic Probes of following specifications or equivalent, compatible for
 - Combination Probe for Pneumatic & Ultrasonic:
 - Compressors & Tubing

- Suction kits
- **Cordless and portable lithotripter**
 - Battery operated, rechargeable battery, 800mAh
 - Energy output : minimum 85mJ, Operating mode : +/- 3 Hz

Lithotripter, Pneumatic & ultrasonic combined with accessories

Features :

- Ultrasonic and Pneumatic combination lithotripter for faster and safer removal particularly of large stone burdens
- Separate application of pneumatic or ultrasonic lithotripsy & suction as well as simultaneous application
- Control of pneumatic & ultrasonic lithotripsy and suction via one foot twin pedal.
- Mode of operation: Continuous operation
- Output energy: Ultrasonic up to minimum 75W and Pneumatic up to minimum 85 mj
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 - Ultrasound Hand piece kit – 1 set
 - Ultrasonic Probes of following specifications or equivalent,
 - Pneumatic Hand piece kit
 - Pneumatic Probes of following specifications or equivalent, compatible for
 - Combination Probe for Pneumatic & Ultrasonic:
 - Compressors & Tubing
 - Suction kits
 - **Cordless and portable lithotripter**
 - Battery operated, rechargeable battery, 800mAh
 - Energy output : minimum 85mJ, Operating mode : +/- 3 Hz

Lithotripter, laser, with accessories

- Holmium YAG Laser system , Wavelength : 2.1 μ m, Output power : Up to 35 W, Repetition rate : from 3 to 30 Hz, Energy per pulse : from 0.2 to minimum 5 J, With different laser fibre probes

C- Arm Machine for Urology

25KW, 300KHU tube, II 9 inch, 1kX1K camera, 2x27 inch Medical grade monitors on trolley, Minimum 200,000 image storage

Product quality certificate : Valid CE or US-FDA certificate must be submitted

Table, C-Arm compatible for Urology

- All movements by Electro-hydraulic technology, including Manuel over ride
- Sliding table top - 300 mm, Return to 0 position (automatic leveling), Continuous X-ray tunnel from head to foot end, Safe working load: minimum 400 kg
- Hand switch + Second operating panel on the column
- Provision to attach Orthopedic attachment and Neuro attachment
- Including standard accessories

Laser, YAG, Holmium/Thulium, urology**200W Thulium with Standard accessories**

For BPH - Benign Prostatic Hyperplasia (TuVAP - TuVARP - TuLEP - TuVEP)

- Enucleation
- Vapo - Enucleation
- Vapo - Resection
- Vaporization
- Wavelength : 2010 nm
- Power : Up to 200W
- Power setting: 1 W to 200 W in 1, 2, 5 W increment steps

PCNL (Percutaneous Nephroscope) with accessories

- Nephroscope 0° with Parallel view, Working Length 250 mm, Integrated Fibre Optic Light Cable, Autoclavable, Working Channel 4.9+ mm. – 1pc
- Nephroscope Sheath, WL 250 mm continuous irrigation, without perforation, with obturator. – 1pc
- Telescoping dilation set, 9-24 ch, consisting of 6 dilators with Iridid and 1 flexible guide probe. – 1pc
- Biopsy forceps& grasping forceps of diffent sizes.

Laparoscopic set, urology

- Laparoscope 10 mm 0° & 30° autoclavable, working length 330 mm, 1pc each
- Veress insufflations needle 2.0 mm, length 120 mm, 1pc
- Automatic trocar set 5.5 mm & 11 mm and Reducer 11 mm - 5.5 mm
- Dopplin dissecting and grasping forceps rotatable, detachable - 1pc
- Maryland dissector, 5 mm, 33 cm, rotatable, detachable, complete
- Heavy duty (fundus) grasping forceps, 5 mm, 33 cm, rotatable, detachable, complete set
- Grasping forceps, 5 mm, 33 cm, rotatable, detachable, complete set
- Metzenbaum scissors, 5 mm, 33 cm, rotatable, detachable, straight complete set
- Babcock grasping forceps, 5 mm, 33 cm, rotatable, detachable, complete set
- Hunter bowel grasping forceps, 5 mm, 33 cm, rotatable, detachable, complete set
- Alpha-bipolar grasping forceps, curved, fenestrated, delicate, 5 mm, 34 cm, complete set
- HF-right- angle-electrode monopolar, w. Lateral suction/flush-port 34 cm. - 1pc
- HF-suction/irrigation tube, monopolar, 5 mm, working length 340 mm- 1pc
- "CULLIS" suction/irrigation instrument,
- Clip applying forecps, "TC" endo needle holder, Shedid knot-tightener, Endo-retractor,

Suction and Irrigation unit for Laparoscopy

Insufflator , 30L/Min

High Definition 3 CCD camera

LED Light source : 6500 degK, 20,000 hour LED life
24-inch medical grade monitor, resolution (1920x1200)
Trolley from same manufacturer with isolation transformer

ESWL (Extra-corporeal Shock wave lithotripter) with accessories

- Piezoelectric/ElectroMagnetic Shock Wave technology
- Dual simultaneous real time localization as a mean of the safest way to locate stones. To allow the users to carry out ultrasound and X-ray localization either simultaneously and also separately.
- **Triple focus:** Piezo-electric self focusing spherical cup, Double layer technology / ElectroMagnetic technology
- SW Guaranty Lifetime of a single transducer : minimum 5.0 million shocks

The ESWL system should consist of

1. **Shock wave therapy unit**
2. **Control Panel**
3. **Color Ultrasonogram unit**
4. **C-arm X-ray machine with fixation**
5. **Universal Table with endo-uro accessories**
6. **Accessories to be supplied**
7. **Room renovation and other responsibilities**

Quality Standard: CE or FDA certificate of the offered item must be submitted with the offer

Electrosurgical Machine, 400W; Bipolar TUR, vessel sealing

- 400 watt Monopolar, 350W bipolar outputs.
- 9 inches coloured touchscreen, 5 outputs (2 monopolar and 3 Bipolar)
- Simultaneous activation of 2 monopolar outputs and also two bipolar outputs
- TURP, Vessel sealing, Argon/gastro software and accessories
- Auto detection of connected instruments with corresponding settings
- *Standard accessories + Vessel sealing accessories + Bipolar TURP set*

Bipolar Resection set:

- Cystoscope, autoclavable, 4.0 mm, 30°, working length 302 mm - 1 pc
- Bipolar working element large, passive, click system, for optic 4mm - 1 pc
- Inner sheath for Resectoscope 24/26ch., rotatable, click/click - 1 pc
- Continuous-flow outer sheath for Resectoscope 26fr./charr., rotatable - 1 pc
- Standard obturator 24/26 ch, click - 1 pc
- Bipolar knife electrode, loop electrode, ball electrode - 5 pcs each size

Ultrasonic Dessicator (Lotus LG4/Harmonic Scalpel / Enceal)

(please see in the Standby OT)

EYE surgery

For specs of other items, please refer to specs of "Common OT and standby equipment"

Sterilizer, Hot Air, Medical

- Minimum 50 Liter, ambient +5 deg to up to 250 degC, adjustable

Autoclave, Steam, Bench top

- minimum 30L , vacuum
- Sterilization temperature range: from 105 °C – 135 °C

Phaco-emulsifier with Reusable Cassette, set

Peristaltic Pump

High Vacuum Occlusion Technology

High Speed Vitrectomy

High Speed Vitrectomy, cutting rate: 100-6000 cuts/min.

Electric Vitrectomy mode with dual linear control of aspiration & cutting frequency.

Diathermy, for precise endo/exo diathermy. Power linear & fixed controlled.

Irrigation / linear aspiration control incl. ON/OFF switch constant irrigation and backflush.

Dual linear Ergo Footswitch.

Wireless Remote Control

LASER DCR**LASER, Argon**

Laser Medium: Diode-pumped solid state (DPSS)

Wavelength: 532 nm

Endo: 50 mW-2000 mW

Slit Lamp Delivery System:

Endo-ocular probes System: (Box of 10 probes)

Indirect Ophthalmoscope (LIO) for Laser Surgery:

LASIK Machine**A. Excimer Laser**

Flying Spot Excimer Laser

Laser Type : ArF-Excimer Laser

Frequency : 500 Hz ceramic

Should be touch screen monitor, Pivotal on 2 axes

TFT Flat-screen for Eye –tracking and Video:

External Nitrogen Connection:

Advanced Cyclotorsion Control:

Doctors Chair:

Laser – Gas Premix ArF (20 L)

A complete instrument set to perform LASIK surgery.

B. Scheimpflug Analyzer:

Keratoconus detection and quantification

Device Type : Placido based videokeratoscope combined with Scheimpflug camera

Camera : 2 monochromatic VGA CCD camera

Notebook with operating software incl. keratoconus- detection

C. Microkeratome:

Dual System for Phaco & Vitrectomy Surgery including High Speed Vitrectomy.

- Advance Dual System, Phaco & Vitrectomy
- Twin Pump System, Peristaltic and Venturi
- High Vacuum Occlusion Technology
- High Speed Vitrectomy
- Clour Touch screen with icon control function and voice confirmation

Complete Dual system with the following functions:

High Speed Vitrectomy, rate: 100-8000 cuts/min.

Pneumatic & Electric Vitrectomy mode with dual linear control of aspiration & cutting frequency.

Diathermy, for precise endo/exo diathermy.

Vitreoretinal Accessories: & Phaco Emulsification & Fragmentation Accessories for

Cryo Surgery with Probe

Gas Specification Medical Grade Nitrous Oxide(N₂O) or Medical Grade Carbon Dioxide (C₂O) in non-Syphon cylinders.

Operation Microscope, Ophthalmic

Ophthalmic Operation Microscope consisting of Stand, LED Light source, Assistant microscope & Full HD color video Camera with TV system.

Head Light for Surgeon

- Fibre optic headlight suitable for operation theatre
- Light power output : Xenon 300W, 5,500degK

Magnifying Loupe, Binocular

- Binocular Loup on Headband , F/O cable Magnification 2.5X
- HALOGEN lamp of 150watt, 3,500 deg K

Electro-Surgical Unit, bipolar, 100 W

- Operating frequency : minimum 500KHz in all modes
- Monopolar cut, up to min.100W, adjustable in 10 levels
- Monopolar Coag, up to min.100W , adjustable in 10 levels
- Bipolar coagulation, up to min.100W adjustable in 10 levels

CE or US-FDA certified

Electro-Surgical Unit, 300W with NON-STICK forceps for Pediatric surgery

- 300 watt Monopolar, 120W bipolar
- 3 outputs (2 monopolar +1 Bipolar)
- *Gastro Cut, monopolar resection, argon connectivity*
- *Standard accessories + non-stick bipolar forceps – 4 pcs of different sizes*

CE or US-FDA certified

Laparoscope, pediatric, with Surgical accessories

Endoscope 2.7 mm / 0° wa & 30° wa, 185 mm, working length, autoclavable - 1 pc each with all instruments and accessories detailed in SCMP

Suction and Irrigation unit for Laparoscopy

Insufflator , 16L/Min

Trolley from same manufacturer with isolation transformer

High Definition 3 CCD camera

LED Light source : 6500 degK, 20,000 hour LED life

24-inch medical grade monitor, resoluation (1920x1200)

CE or US-FDA certified

Electro-Surgical Unit, 400 W, vessel sealing and Argon Plasma Unit for Thoracic surgery

Electro-Surgical Unit

- 400 watt Monopolar, 350W bipolar outputs.
- 9 inches coloured touch screen, 5 outputs (2 monopolar and 3 Bipolar)
- Simultaneous activation of 2 monopolar outputs and also two bipolar outputs
- TURP, Vessel sealing, Argon/gastro software
- Auto detection of connected instruments with corresponding settings
- Connection of a Double pedal and a single pedal footswitches simultaneously
- Plasma Argon System- FLEX & PULSED
- *Standard accessories for equipment, vessel sealing, flexible scopes and rigid endoscopes*

CE or US-FDA certified

VIDEO BRONCHOSCOPE

Consisting of

- A. VIDEO IMAGING SYSTEM (CAMERA + LIGHT SOURCE)
- B. BRONCHOVIDEOSCOPE
- C. HIGH DEFINITION LCD MONITOR
- D. Printing System :

Esophagoscope, rigid and flexible

Straight Forward Telescope 0°, diameter 5.5 mm, length 53cm,

Operating Esophagoscope

Including different types of forceps

Specifications of other items

Refrigerator, Blood Bank 300 bags of 450 ml bag, 600 Ltr, shelf: 05 nos, Glass Door, Temperature chart recorder for 24x7
Refrigerator, 2-8 0C 600 Ltr , shelf: 5 nos, Glass Door.
Freezer, Plasma Storage temperature range: -20°C to -45°C/ Chamber Volume : 450 liters
Monitor, Blood Collection 3D mixing system, Mixing speed min. 20 rpm and tilting min.10 deg angles; battery to support 50 donations, automatic sealing after donation
Centrifuge, Refrigerated, for blood bank Swing out rotor, 4 hole x 750 ml, 4-6 blood bag, 14000 rmp, RCF : 20,800g
Centrifuge, 12 holes 12x15ml angle rotor, 4000 rmp,
Tube Sealer RF technology, Multi clamp, 4 clamps, Bench top sealer for Blood bag PVC tubes, Handgun connectivity, Sealing PVC tubing medical degree up to 5.0 mm OD.
Microscope, Binocular
Blood Warmer Suitable for transfusion of blood, plasma and with warming warming up to 41 degree C, increment 0.5 degree C, Warmed jacket in which the standard infusion (blood, plasma etc.)
Bath, Plasma Thawing For Thawing and warming of Blood, plasma, thawing out stem cells etc.; Temperature setting: +37 to max. +40 °C; Capacity 4 bags
Water Bath, Digital 9 Lt, digital control ambient +5°C to 100°C
Oven, Hot Air, 50 Liter Microprocessor controlled, integrated digital timer, ambient+5 °C to +220 °C
Incubator, 50 Liter Ambient +5 °C to +70 °C
Platelate Shaker with incubator Temperature Range from 20°C to 35°C, Sensitivity : 0.1°C or less; 300 litres, Two agitators for total 100 bags in the incubator, Shaking speed 50-60 strokes per minute
Laminar Flow Int. Dim. (W x D x H) : 1195 x 630 x 620mm approx. HEPA filter with 99.999% efficiency for particles _ 0.3 µm
Manual Plasma Expresser
Hand Clipper Tube sealer & cutter, battery operated
Autoclave, Lab, 50 Liter Microprocessor controlled, steam sterilizer, built in programs
Digital Centrifuge

16x15ml, 4000rpm
Balance, Digital, 1gm-1500gm
Analyzer, Cell Counter 3 part, 18 parameters
Donor's Chair Height adjustment by motor, manually adjustable foot rest, Reading lamp Central operating brake, IV pole
ELISA Machine Reader, washer and shaker
Infusion pump Total volume range: 1 to 999.9 ml
Auto cell expresser: Microprocessor controlled, Fully programmable Automatic blood components extractor, electronic presses, integrated scale, electronic Secondary press, auto calibration to Zero at any new separation, 3 integrated scales to weight all bags content, 5programmable sealing clamps, Separation time : approx 90 secs for a conventional quadruple bag and approx 150 secs for a T&B quadruple bag
Blood Bag Striper Battery operated, hand Held sealer for 5mmOD blood bag tube, RF generator, 800 sealing with one charge, .
Cryo-refrigerator 16 litre, Temperature range: from +30°C to -180°C
ECG Machine, 3 channel 4inch display, 12 lead ECG, +built-in printer+ std cessories
ECG Machine, 12 channel 8 inch display, 12 lead ECG, + built in printer, alphaneumaric keyboard+ std accessories
Echocardiogram with Color Doppler 19" LCD Color Monitor, Scan Method - Linear Scan, Convex Scan, Trapezoid Scan, Sector ; Scanning Depth 40 cm; Including 1 Pce Sector Transducer , 2 to 5 MHz for Adult Cardiac 1 Pce Sector Transducer , 3 to6 MHz for Pediatric Cardiac 1 Pce. Linear Transducer , 4 to 11MHz for Vascular Digital Video Printer with 10 Roll Printing Paper Ink Jet Color printer (High Quality)
Treadmill (ETT) Medical purpose , Speed range: 0,5 – 20 km/h, increments of 0.1 km/h Emergency stop button
Echocardiogram; Trans-esophageal 19" LCD Color Monitor, Scan Method - Linear Scan, Convex Scan, Trapezoid Scan, Sector ; Scanning Depth 40 cm; Including 1 Pce Sector Transducer , 2 to 5 MHz for Adult Cardiac 1 Pce Sector Transducer , 3 to6 MHz for Pediatric Cardiac

1 Pce. Linear Transducer , 4 to 11MHz for Vascular
 1 Pce TEE Transducer , 2 to 8 Mhz for Adult Cardiac (TEE)
 Digital Video Printer with 10 Roll Printing Paper
 Ink Jet Color printer (High Quality)

Echocardiogram; 4D with Color Doppler
 Sector Scan, Linear Scan, Trapezoid scan; Scanning Depth 40 cm;
 Built in Cardiac 4D
 Including
 Volume Sector Transducer for 4D Cardiac , 2 to 4.0 MHz - 1 No
 Sector Transducer , 2.0 to 4.0 MHz for Adult Cardiac - 1 No
 Sector Transducer , 4.0 to 9.0 MHz for Pediatric Cardiac - 1 No
 Linear Transducer 5.0 to 11.0 MHz for PV & Small parts - 1 No.
 Multiplane TEE Transducer , 3.0 to 6.5 MHz for Cardiac - 1 no.
 B/W Digital Video Printer with 10 Roll Printing Paper
 Color Digital Video Printer with 10 Roll Printing Paper
 Color Laser Printer with 500 sheet printing paper

Monitor, Holter
 PC based system, 4xholter recorders + accessories & computer

Cath Lab ceiling mounted, flat panel
 100KW/3.0 MHU
 FPD (8 Inch x 8 Inch), 2.6 lp/mm, Pixel 190 micro meter,
 Workstation with Imaging software, Image memory, 2x 19" HR LCD monitor, Patient table,
 Pressure Injector for contrast injection, UPS + other necessary accessories.

Cath Lab Floor mounted, flat panel
 100KW/3.0 MHU
 FPD (8 Inch x 8 Inch), 2.6 lp/mm, Pixel 190 micro meter,
 Workstation with Imaging software, Image memory, 2x 19" HR LCD monitor, Patient table
 Pressure Injector for contrast injection, UPS + other necessary accessories

C-Arm with fluoroscopy
 25KW, 300KHU tube, Amorphous Silicon FPD 30x30, 1.5kX1.5K camera, 2x27 inch Medical grade
 monitors on trolley, Minimum 200,000 image storage
Product quality certificate : Valid CE or US-FDA certificate must be submitted

Echocardiogram, Doppler, Vascular
 19" LCD Color Monitor, Scan Method - Linear Scan, Convex Scan, Trapezoid Scan, Sector ;
 Scanning Depth 40 cm;
 Including
 1 Pce Sector Transducer , 2 to 5 MHz for Adult Cardiac
 1 Pce. Linear Transducer , 5 to 14MHz for Vascular & Smal Parts
 B/W Digital Video Printer with 10 Roll Printing Paper

ECG Machine, 12 Channel
 8 inch display, 12 lead ECG, + built in printer, alphaneumaric keyboard+ std accessories

Monitor, Patient (ECG, NIBP, SPO₂)
 Modular, 12 inch + ECG, NIBP, SPO₂& TEMP, std accessories

Defibrillator, External, Automated

5 inch monitor, AED, biphasic, up to 180 jule, ECG, Reusable adult electrodes – 1 pair, ECG cable
Echocardiogram, Portable Laptop model (portable), 15” LCD Monitor, Scan Method - Linear Scan, Convex Scan, Trapezoid Scan, Sector ; Scanning Depth 40 cm; Including 1 Pce Sector Transducer , 2 to 5 MHz for Adult Cardiac 1 Pce Sector Transducer , 3 to6 MHz for Pediatric Cardiac 1 Pce. Linear Transducer , 4 to 11MHz for Vascular Digital Video Printer with 10 Roll Printing Paper Ink Jet Color printer (High Quality)
Syringe Pump commonly available branded syringe of 10, 20 and 50 ml , Volume limit: 0.1 to 999.9 ml
Ventilator, ICU 18 inch TFT, Patient group Adults, Children, Infants Tidal Volume: 10-4000 ml <ul style="list-style-type: none"> ▪ Ventilation modes: <ul style="list-style-type: none"> - Volume controlled Ventilation modes : VCV, VC-SIMV - Pressure controlled ventilation modes: PCV, PC-SIMV, Bilevel, BiLevelST, Mand.BiLevel, PSV, PC-APRV, CPAP, SPONT, NIV, Apnoea - Mixed/Hybrid ventilation mode : Dyn-BiLevel, Dyn-BiLevel ST - Breathing therapy : High Flow Oxygen Therapy (HFOT) for nasal CPAP ▪ Battery backup 3hours
Monitor, Cardiac 14 inch, Modular; ECG/RESPM, SpO2, NIBP, TEMP, IBP, ETCO2, built in printer + standard accessories
Refrigerator, Medicine 600 Ltr , shelf: 10 nos, Glass Door.
Central Monitor, 8 beds Central workstation & software Monitor, Cardiac – 8 pcs 14 inch, Modular; ECG/RESPM, SpO2, NIBP, TEMP, IBP, ETCO2, CO2, built in printer + standard accessories
Analyzer , Chemistry, Fully Automated Throughput : 400T/hrs with ISE 150 tests/hr
Analyzer , Chemistry, Semi Auto
Analyzer , Coagulation , Auto 4-channel, Parameters to be measured : PT, APTT, Fibrinogen, Thrombin time, Reptilase time, Factors (II, V, VII, VIII, IX, X, XI, XII) , Anti-Xa Heparin assays, Protein C, Protein S, Lupus Anticoagulants assays
Analyzer , Blood Gas, Auto Po2,PCo2,PH, serum lactate
Analyzer , Electrolyte Analyzer, Auto Na, K, Cl, Ca,

Analyzer , ESR, Auto Capacity : 20 samples at a time
Analyzer , HbA1c (Glycated Hemoglobin) HPLC principle
Analyzer , Haematology, 5 Part including Reticulocyte count and Fluid Cytology, Auto
Fully Automated Immunoassay minimum 120 tests/hour
Centrifuge, 30 Hole, Swing Rotor Maximum speed : 4,000 rpm Capacity : Swing-out Rotor 30 x 1.5/2 ml
Centrifuge, 18 holes Fixed Rotor Maximum speed : 4,000 rpm Capacity : Swing-out Rotor 16-18 x 15ml
Colorimeter Digital/Manual Bench top digital colorimeter Wave length: 400-700 nm, 6 filters
pH meter Digital bench top pH meter pH range 0.00 to 14.00 pH/ Resolution 0.01 pH
Microscope, Binocular, Laboratory
Microscope, Binocular with Phase contrast, Polarizing and Dark field
Bio-Safety Cabinet , Class-2 4 feet with Support stand, UV light, electrical out let Usable work area : minimum 0.6 m ² /6.5 sq ft ULPA Filter Typical Efficiency : >99.9995% at 0.1 to 0.3 microns Fluorescent Lamp : > 1400 Lux
Autoclave, 50 Liters, Bench-top Microprocessor controlled, steam sterilizer, built in programs
Distilled Water Plant 4 liter per hour, Bacteria, & Gas free water. Heating element is made of fully silica & sheathed
Incubator, Lab, 50 Liter Temperature ambient +5° C to 99,9°C Digital displays for temperature and time
Oven, Hot Air, 50 Liter Microprocessor controlled, integrated digital timer, ambient+5 °C to +220 °C
Balance, Analytical, Digital, (0.1mg to 200g) Calibration: Automatic, Readability : 0.0001 gm or less
Shaker speed of 60 to 200 rpm Electronic with timer, auto stop function, memory function
Vortex Mixer Speed from 0-3000rpm

Centrifuge, Cyto 4000 rpm, cyto rotor6-8 slide carriers with cyto accessories
Cryostat with accessories 2 to 42 microns in 2 micron increments Ambient to -30°C in 1°C increments
Microtome, Automatic With motorized fine advance handwheel for independent automated or manual cutting stroke. Moveable handle for effortless conversion from manual to motorized;
Paraffin Dispenser Paraffin Dispenser, microprocessor controlled, 6.25 gallon capacity w/heated non-drip spigot, lexan lid, built-in clock, ambient to 65°C.
Slide Dryer , Hot Air forced air, holds 2 conventional slide stainer racks, overheat protection switch, ambient to 75°C.
Tissue Processor, Automatic Floor model, w/ color touch screen controller, 12 process program schedule: Including time, day, date, and name, programmable reagent management system, 4 (plus 1 reserve) paraffin bottles, 10 reagent, 2 purge, 2 charcoal filtration stations,
Tissue Processor, Microwave Microwave, dual magnetron, waveguides, range timer and air ports, color touch-screen, PID temperature control, PLC regulation of power (1200W) settings, time, temperature and ramp up rate, ventilated stainless steel cavity w/ceramic floor, adjustable air agitation; Includes: calibration container, 1pk temperature probe insulators, ventilation & agitation connecting accessories.
Tissue Flootation Bath Flotation Work Station, microprocessor controlled w/8" x 8" x 2 1/4" deep dish removable glass bowl w/built-in LED light array, 2" x 6" slide dryer and 2"x 2"
Tissue Embedding Center microprocessor controlled, 2-part design, includes a dispensing console and detached cold plate console. Low work surface, user friendly membrane switches, 5-liter paraffin reservoir, heated dispenser nozzle, heated work surfaces, heated forceps holders and a cold spot. Including separate heated compartments for molds and cassettes.
Incubator, Lab, 50 Liter Ambient +5 °C to +70 °C
Oven, Hot Air, 50 Liter Microprocessor controlled, integrated digital timer, ambient+5 °C to +220 °C
Bio-safety Cabinet Class 2 Int. Dim. (W x D x H) : 1195 x 630 x 620mm approx. HEPA filter with 99.999% efficiency for particles _ 0.3 µm
Bio-safety Laminar Flow Int. Dim. (W x D x H) : 1195 x 630 x 620mm approx. HEPA filter with 99.999% efficiency for particles _ 0.3 µm
Analyzer, Chemistry, automatic Random access, 300 tests/hr + 150 test/hr ISE
Analyzer, Chemistry, Semi-automatic
Analyzer, Electrolyte; Automatic

30 test/hr, Na, K, Cl, Ca
Analyzer, Urine Chemistry
Colorimeter, digital Bench top digital colorimeter Wave length: 400-700 nm, 6 filters
Analyzer, Hematology; Semi-automatic, 3 part
Analyzer, Hematology; Automatic 5 part
Fetal Doppler Bench top unit, operates on both AC & DC, displays HR of fetus
Ventilator, Transport Patient group Adults, Children, Infants Built-in Nablizer , Built-in compressor or turbine type, Battery backup up to minimum 3 h, Touch-TFT Colored minimum 8.5" Screen Ventilation modes : PC-CMV, PC-SIMV, PC-ACV, spont. CPAP, CPAP backup, DUOPAP, O2 Therapy, VC-CMV, VC-SIMV , Modifications PSV, PRVC, ETT compensation Tidal volume (PRVC) : from 20 up to 1600 ml
Colposcope, video HD resolution camera with PC & software
Electro-encephalography (EEG) 64 channel, TPM Mapping, 2d/3d mapping
Electro-myography (EMG) 4 channel NCS (Nerve conduction study), EP (Evoked Potential), Auditory Evoked Potential, Visual Evoked Potentials:
Nerve Conduction Study (NCS) 4 channel EMG with NCS (Nerve conduction study), EP (Evoked Potential), Auditory Evoked Potential, Visual Evoked Potentials:
Radiant warmer
Phototherapy Machine LED type
Electric sucker , Pediatric
Pulse Oxy meter (Pediatric sensor) 5 inch, SPO2 sensor for Pediatric – 2 sets
Apnea Monitor
Laryngoscope , Pediatric
ECG Machine 8 inch display, 12 lead ECG, + built in printer, alphaneumaric keyboard+ std accessories
Cardiac Monitor Modular, 12 inch + ECG, NIBP, SPO2& TEMP, std accessories
View Box for X-Ray Film
Pulse Oxy meter (Pediatric sensor)

5 inch, SPO2 sensor for Pediatric – 2 sets
ECG Machine 8 inch display, 12 lead ECG, + built in printer, alphanumeric keyboard+ std accessories
Cardiac Monitor Modular, 12 inch + ECG, NIBP, SPO2& TEMP, std accessories
X-Ray 1000 mA Digital Radiography (DR) 80KW, 400KHU tube, 2-FPD (CSI) connected 17x17inch, Floor mounted tube stand, 4 way table, stand bucky
X-Ray 500 mA Digital Radiography (DR) 50KW,300KHU tube, 2-FPD (CSI) connected17x17inch, Floor mounted tube stand, 4 way table, stand bucky
CR (Computed Radiography) Flat scan technology, Micron spot size 50 or less; 16 bit conversion
MRI (Magnetic Resonance Imaging), Super conducting, 1.5T or 3T
X-Ray 200-300 mA, Portable 30KW, 100KHU rotating anode tube
CT Scan; 128 slice
CT Scan; 64 slice
Bone Mineral Densitometer (BMD) DXA (Dual X-ray Absorptiometry), Scan type : Narrow fan beam Total body assessment, Body fat calculation, Calibration : LVA (Lateral Vertebra Assessment): Hip Analysis:
Ultrasound, 4D, color Doppler, 3 Probe 19" LCD Color Monitor, Scan Method - Linear Scan, Convex Scan, Trapezoid Scan, Sector ; Scanning Depth 40 cm; 4D Including 3 probes Digital Video Printer with 10 Roll Printing Paper Ink Jet Color printer (High Quality)
Ultrasonogram; color Doppler, Convex, Linear & Transvaginal Probe 19" LCD Color Monitor, Scan Method - Linear Scan, Convex Scan, Trapezoid Scan, Sector ; Scanning Depth 40 cm; Including Convex, Linear & Transvaginal Probe – 1 each Digital Video Printer with 10 Roll Printing Paper Ink Jet Color printer (High Quality)
Mammography FFDM with DBT
PET (Positron Emission Tomography) CT
Fibroscan :USG based & MRI based resuscitation unit For Liver fibrosis
Suction Apparatus Vacuum 0- 650mmHg, Bottle capacity: 2 x 4000ml (4000cc + 4000cc)
ECG Machine 6 Channel 8 inch display, 12 lead ECG, + built in printer, alphanumeric keyboard+ std accessories
Pulse Oxymeter

5 inch, SPO2 sensor for both adult and Pediatric – 1 set each
Pulse Oxymeter 5 inch, SPO2 sensor for both adult and Pediatric – 1 set each
Capnograph
Bronchoscope, Fiber-optic With light source Halogen 150w
Esophagoscope Different sizes and standard accessories
Child Bronchoscope Video camera&light source, video bronchoscope, HD monitor+Electrosurgical unit with Argon
Spirometer Lung function unit with PC and spirometry software
Sleep Study Machine <ul style="list-style-type: none"> • 40 channel, • Respiratory flow via thermistor and nasal cannula, respiratory rate • SpO2, pulse wave and pulse rate • Body position integrated in the patient box • Snoring • PAP pressure • Thoracic, abdominal respiratory effort (RIP) • Light channel • 6 x ECG, central heart rate • Systolic blood pressure, PTT • EMG Chin • 2 x EMG Leg • 6 x EEG • 2 x EOG • 8 x feed of analog signals
Proctoscope, With light source
Upper GI Endoscope, Video System Scope+video camera& processor with light source, Monitor, Image processing software
Gastroscope, Video with accessories Scope only
Duodenoscope, Video with accessories Scope +diathermy & Argon unit +C-arm
Colonscope, Video with accessories
Enteroscope, Double balloon
Duodenoscope, side view (ERCP) Scope + Diathermy (300w) & Argon
Fluoroscopy Machine C-arm, motorized, 5KW, 9 inch II, 200KHU rotating anode tube,
Bio-feedback Machine
ECT (Electro-convulsive Therapy) Machine ECT System including Headset, mains cable, stand,

cs lead.
Analyzer Electrolyte, Li 30 test/hr, Na, K, Cl, Li
Uroflowmetry Machine with accessories
Urodynamic Machine with accessories <ul style="list-style-type: none"> ▪ 22 inch high resolution TFT monitor ▪ Measurement programs and analyses according to ICS-Standard Cystometry, Urethra pressure profile, Pressure-flow measurement, Uroflowmetry, EMG recording , Animated biofeedback, Video Urodynamics (optional) <ul style="list-style-type: none"> ▪ Number of pressure channels: 4
Erectile dysfunction treatment unit, Linear Shockwave, Piezo electric type Linear shockwave, Piezo Electric technology, Probe to ensure 5.0mill shocks, Energy flux : from 0.125 to 0.16mJ/mm2 with frequency : 6-8Hz
Bladder scanner <ul style="list-style-type: none"> ▪ Uses Sector probe, 180deg, 2.35MHz
Fetal Doppler Bench top unit, operates on both AC & DC, displays HR of fetus
Suction Machine Vacuum 0- 650mmHg, Bottle capacity: 2 x 4000ml (4000cc + 4000cc)
Height & Weight Measuring Scale 120kg/250 Lb; Telescopic height rod, 600-2100mm with graduation 1mm
Ventilator, Portable Patient group Adults, Children, Infants Built-in Nabilizer , Built-in compressor or turbine type, Battery backup up to minimum 3 h, Touch-TFT Colored minimum 8.5" Screen Ventilation modes : PC-CMV, PC-SIMV, PC-ACV, spont. CPAP, CPAP backup, DUOPAP, O2 Therapy, VC-CMV, VC-SIMV , Modifications PSV, PRVC, ETT compensation Tidal volume (PRVC) : from 20 up to 1600 ml
Ventilator, Pediatric Dedicated for neonates & Infants neonates and Infants up to 30Kg HFO ventilation Built-in Nabilizer , Battery backup up to minimum 2 h, Touch-TFT Colored minimum 12" Screen Ventilation modes : IPPV , IMV, S-IPPV, S-IMV, S-IMV, S-IMV, S-IMV support or S-IPPV: PSV, CPAP, nCPAP, HFO Nasal Intermittent Positive Pressure Ventilation : nIPPV

ANNEX- C
GOVERNMENT ORDER ON PRICE GUIDE

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়
স্বাস্থ্য সেবা বিভাগ
ক্রয় ও সংগ্রহ অধিশাখা
www.mohfw.gov.bd

নং-৪৫.১৬৫.১২১.০১.০০.০০১.২০১৪-৪৭

তারিখঃ ১৩-০২-২০১৮ খ্রিঃ।

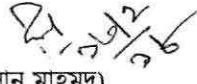
বিষয়ঃ Price Guide for Medical Equipment প্রিন্ট/প্রকাশের অনুমোদন।

সূত্রঃ MSH/SIAPS-BD/2018/414, Date: January 29.2018.

উপর্যুক্ত বিষয় ও সূত্রোক্ত পত্রের প্রেক্ষিতে Price Guide for Medical Equipment এর বিষয়ে পরিচালক, কেন্দ্রীয় ঔষধাগার (সিএমএসডি) এবং চীফ টেকনিক্যাল ম্যানেজার, নিমিউ এন্ড টিসি মতামত প্রদান করেন (কপি সংযুক্ত)।

এমতাবস্থায়, প্রস্তাবিত Price Guide for Medical Equipmentটি ১ম সংস্করণ হিসেবে প্রিন্ট/প্রকাশের জন্য নির্দেশক্রমে মন্ত্রণালয়ের সম্মতি জ্ঞাপন করা হলো।

সংযুক্ত: বর্ণনামতে


(হাসান মাহমুদ)
উপসচিব
ফোনঃ ৯৫৪০৬৪৫

Country Project Director
SIAPS, MSH
House # 3 (2nd -4th floor), Road # 23B
Gulshan-1, Dhaka-1212.

অনুলিপিঃ

- ১। সচিবের একান্ত সচিব, স্বাস্থ্য সেবা বিভাগ, স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়।
- ২। সিস্টেম এনালিস্ট, কম্পিউটার সেল, স্বাস্থ্য সেবা বিভাগ, স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয় (মন্ত্রণালয়ের ওয়েব সাইটে প্রকাশের অনুরোধসহ)।
- ৩। অতিরিক্ত সচিব (উন্নয়ন) মহোদয়ের ব্যক্তিগত কর্মকর্তা, স্বাস্থ্য সেবা বিভাগ, স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়।

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
স্বাস্থ্য অধিদপ্তর, কেন্দ্রীয় ঔষধাগার
৩০ শহীদ তাজউদ্দিন আহমেদ সরণী, তেজগাঁও, ঢাকা।

১০/০২/২০১৮
১০/০২/২০১৮

স্মারক নং সিএমএসডি/প্রক-৬৪/এমডি/মন্ত্রণালয়/৩২০

তারিখঃ ১০/০২/২০১৮খ্রীঃ

বরাবর,

সচিব
স্বাস্থ্য সেবা বিভাগ
স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়, বাংলাদেশ সচিবালয়

দৃষ্টি আকর্ষণঃ উপসচিব (ক্রয় ও সংগ্রহ অধিশাখা)।

বিষয়ঃ SIAPS/MSH এর প্রস্তাবিত Price Guide for Medical Equipment হালনাগাদ (Updated Version) সংক্রান্ত মতামত প্রদান প্রসঙ্গে।

সূত্রঃ ১। ৪৫.১৬৫.১২১.০১.০০.০০১.২০১৪-৩৭ তারিখঃ ০১.০২.২০১৮ইং
২। ৪৫.১৬৫.১২১.০১.০০.০০১.২০১৪-৩৩ তারিখঃ ২৯.০১.২০১৮ইং

উপর্যুক্ত বিষয় ও সূত্রস্থ স্মারকের প্রেক্ষিতে জানানো যাচ্ছে যে, SIAPS/MSH কর্তৃক দাখিলকৃত Price Guide for Medical Equipment (Updated Version) টি Randomly পর্যবেক্ষন করা হয়। উক্ত Price Guide টি ১ম সংস্করণ হিসেবে ব্যবহারযোগ্য বলে প্রতিয়মান হচ্ছে। তবে পরবর্তীতে প্রয়োজনে Price Guide Update করার বিষয়টি অর্ন্তভুক্ত থাকতে হবে। Price Guide এর উপর অত্র দপ্তরের অন্যান্য মতামত নিম্নে প্রদত্ত হলোঃ-

1. Price guide for 'OT Complex' equipment and 'Other than OT Complex' equipment not clearly mentioned in the Head line.
2. HS Code for 'OT Complex' equipment and 'Other than OT Complex' equipment not separately mentioned.
3. Some equipment HS Code differ with majority equipment HS Code (for example Refrigerator HS Code is 84.18 and CD/VAT is 89.42% instead of 33.07%).
4. Besides CD/VAT, Warranty, Insurance & Tax, followings factors should be taken under consideration in price guide:
 - a. Foreign Training Cost (if required)
 - b. Transportation Cost (if delivered to user site)
 - c. PSI cost (if included)

১০/০২/২০১৮
১০/০২/২০১৮

ত্রিগেডিয়া রু জেনারেল এ এফ এম রফিকুল ইসলাম
পরিচালক (ভান্ডার ও সরবরাহ) ও
লাইন ডাইরেক্টর প্রকিউরমেন্ট, স্টোরিজ এন্ড সাপ্লাইজ
ম্যানেজমেন্ট-হেলথ সার্ভিসেস
কেন্দ্রীয় ঔষধাগার, স্বাস্থ্য অধিদপ্তর, তেজগাঁও, ঢাকা।

স্মারক নং সিএমএসডি/প্রক-৬৪/এমডি/মন্ত্রণালয়/৩২০/১(৩)

তারিখঃ ১০/০২/২০১৮খ্রীঃ

- অনুলিপি সদয় অবগতি ও প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য প্রেরণ করা হল (জ্যেষ্ঠতার ক্রমানুসারে নহে)ঃ-
- ১। মহাপরিচালক, স্বাস্থ্য অধিদপ্তর, মহাশালী, ঢাকা। (দৃষ্টি আকর্ষণঃ সহকারী পরিচালক, সমন্বয়)
 - ২। অতিরিক্ত সচিব (স্বাস্থ্য সেবা বিভাগ), স্বাস্থ্য সেবা বিভাগ, স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
 - ৩। উপ-সচিব (ক্রয় ও সংগ্রহ অধি শাখা), স্বাস্থ্য সেবা বিভাগ, স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।

ডঃ মোহাম্মদ মিজহানুর রহমান
উপ পরিচালক (পি এন্ড সি)
সিএমএসডি, স্বাস্থ্য অধিদপ্তর, তেজগাঁও, ঢাকা।

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
চীফ টেকনিক্যাল ম্যানেজারের কার্যালয়
ন্যাশনাল ইলেকট্রো-মেডিক্যাল ইকুইপমেন্ট মেইটেন্যান্স
ওয়ার্কশপ এন্ড ট্রেনিং সেন্টার (নিমিউ এন্ড টিসি)
স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়
মহাখালী, ঢাকা-১২১৩
nememw.gov.bd

স্মারক নং- ৪৫.০০.২৬০০.০০২.৯৯.০০৪.১৫/ ১১১০

তারিখ: ০৬/০২/২০১৮খ্রি:

সচিব

স্বাস্থ্য সেবা বিভাগ

স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয়

বাংলাদেশ সচিবালয়, ঢাকা।

দৃষ্টি আকর্ষণ: উপসচিব(ক্রয় ও সংগ্রহ শাখা)।

বিষয়: SIAPS/MSH এর প্রস্তাবিত Price Guide for Medical Equipment হালনাগাদ (Upgrade version) সংক্রান্ত মতামত প্রদান।

সূত্র নং- ৪৫.১৬৫.১২১.০১.০০.০০১.২০১৪-৩৭, তারিখ-০১/০২/২০১৮খ্রিঃ

উপর্যুক্ত বিষয় ও সূত্রের প্রেক্ষিতে জানানো যাচ্ছে যে, SIAPS/MSH এর প্রস্তাবিত Price Guide for Medical Equipment হালনাগাদ (Upgrade version) সংক্রান্ত মতামত প্রদানের জন্য নিমিউ'র কর্মকর্তাদের সম্মুখে ০৩(তিন) সদস্যবিশিষ্ট কমিটি গঠন করা হয়। উক্ত কমিটির আহ্বায়ক জনাব মোঃ আনোয়ার হোসেন, টেকনিক্যাল ম্যানেজার(মেরামত) এবং সদস্য জনাব এ এইচ এম আব্দুল কুদ্দুস, সহকারী প্রকৌশলী ও শাখা প্রধান(রেফ্রি. এন্ড এপি) SIAPS /MSH এর প্রস্তাবিত Price Guide for Medical Equipment হালনাগাদ (Upgrade version) করতে Technical Specification, Country তথ্যসহ ১৫(পনের) দিনের সময় প্রয়োজন মর্মে জানিয়েছেন। কমিটির অপর সদস্য জনাব মোঃ আব্দুল হোসেন, টেকনিক্যাল ম্যানেজার(ট্রেনিং), SIAPS/MSH এর প্রস্তাবিত Price Guide for Medical Equipment টিকে খসড়া হিসেবে বিবেচনার সুপারিশ করেন। এখানে উল্লেখ্য যে, SIAPS/MSH এর প্রস্তাবিত Price Guide for Medical Equipment এর মূল খসড়া প্রণয়নে এবং হালনাগাদ (Upgrade version) চূড়ান্তকরণ কর্মশালায় নিমিউ এন্ড টিসি সক্রিয়ভাবে অংশগ্রহণ করেছে এবং সুচিন্তিত মতামত প্রদান করেছে।

এমতাবস্থায়, সংযুক্ত Price Guide for Medical Equipment হালনাগাদ version টি প্রথম সংস্করণ হিসেবে বিবেচনা করা যেতে পারে এবং ব্যবহার পরবর্তী যে কোন মতামত অন্তর্ভুক্ত করে ভবিষ্যতে হালনাগাদ (Upgrade) করার বিষয়টি নোটিফিকেশনে অন্তর্ভুক্ত করা যেতে পারে।

সংযুক্তি- ০১(এক) পাতা।

মোঃ রেজানুর রহমান
(উপ সচিব-৬৪৫৩)

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