

التاريخ : 2021/02/22 م

طرح عطاء رقم RFQ-H-11365

السادة / الشركات الراغبة بالمشاركة بالعطاء - المحترمين .

الموضوع : أجهزة طبية وأعمال إعادة تأهيل غرف العمليات في مستشفى النجاح الوطني الجامعي , حسب المواصفات .

بالإشارة إلى الموضوع أعلاه, يرجى الاطلاع على المواصفات المرفقة مع مراعاة الشروط التالية :-

1. تكتب الاسعار بالشيكال الاسرائيلي وبشكل واضح في المكان المخصص حسب الجدول المرفق وتشمل قيمة الضريبة المضافة, في حال وجود تعارض بين سعر الوحدة ومجموع سعر الوحدة المشتق, فإن سعر الوحدة هو الذي سيعتمد .
2. ضرورة الالتزام بالتسعير على النموذج المرفق بالعطاء .
3. يتم تقديم شهادة خصم مصدر في حالة تجاوز المبلغ قيمة 2500 شيكل او ما يعادلها.
4. غرامة تأخير 2% عن كل اسبوع وتبدأ من اليوم الذي يلي موعد التسليم المحدد من قبلكم, وفي حال تأخير التوريد مدة تزيد عن اسبوعين يحق للمستشفى إلغاء أمر الشراء والاحالة على مورد آخر وتحملكم فروق الأسعار.
5. الدفع خلال 90 يوماً من تاريخ الاستلام والفحص ومطابقة المواصفات الفنية المطلوبة .
6. تحديد فترة التسليم في عرض سعركم وأيضاً فترة الضمان وأن تكون مدة صلاحية العرض المقدم من طرفكم لا تقل عن ثلاثة أشهر.
7. ثمن نسخة العطاء (500) شيكل إسرائيلي غير مستردة تدفع في الدائرة المالية مبنى الإدارة – الطابق الأول .
8. كفالة دخول عطاء بقيمة (2000) ألفي دولار أمريكي أو ما يعادلها سارية المفعول لمدة ثلاثة شهور تأميناً نقدياً أو كفالة بنكية أو شيكاً مصدقاً وفي حالة عدم تقديم التأمين لا ينظر في عرض سعركم.
9. كفالة حسن تنفيذ بقيمة 10% من قيمة العطاء في حالة الترسية تأميناً نقدياً أو كفالة بنكية أو شيكاً مصدقاً سارية المفعول لمدة ثلاثة أشهر تستبدل بكفالة صيانة بنكية بقيمة 5% من قيمة الإحالة.
10. رسوم الإعلان على من يرسو عليه العطاء .
11. تسلم عروض الأسعار في مكتب مدير دائرة اللوازم والمشتريات رقم (6400) مبنى الإدارة في مستشفى النجاح الوطني الجامعي بالظرف المختوم وتوضع في صندوق العطاءات, على أن يكون عرض السعر يحوي فصلاً بين العرض المالي والعرض الفني أي أن العرض المالي منفصل عن العرض الفني مع ضرورة كتابة رقم العطاء على المغلفين وتوضيح أي منهما العرض الفني والعرض المالي.
12. على كل من يرغب بالمشاركة بتقديم عرض سعر تقديم ما لديه من مواد أو أجهزة أو ماركات لما جاء أعلاه أو البديل له والرد على العطاء سلباً أو ايجاباً .
13. يحق للمستشفى تجزئة العطاء وهي غير ملزمة بأقل الأسعار .
14. يحق للمستشفى إلغاء العطاء دون ابداء السبب ودون تحمل اية تكاليف مع اعادة رسوم نسخة العطاء للمشاركين في العطاء ان وجدت , ولا تتحمل المستشفى تكاليف النقل والتحميل والتنزيل .
15. ضرورة ارفاق الرخصة التجارية والسيرة الذاتية للشركة مع عرض السعر .
16. اخر موعد لتقديم عرض السعر هو يوم الإثنين الموافق 2021-03-08 الساعة الثالثة عصراً 03:00 PM .
17. لأية إستفسارات متعلقة بالعطاء المذكور اعلاه , يرجى الاتصال بالسيد مدير دائرة اللوازم والمشتريات هاتف رقم (+97092389687) داخلي (6400) أو من خلال البريد الالكتروني tender3@najah.edu

مدير دائرة اللوازم والمشتريات

إياد مكاوي



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طرح عطاء رقم RFQ-H-11365الشروط الفنية الخاصة:

- 1- وصف العمل: اقتطاع جزء من غرفه ال Recovery في قسم العمليات A وتأهيلها لاستحداث غرفه عمليات جديده، وذلك حسب المخطط المرفق.
- 2- يجب على المقاول تأهيل مكان الدخول والخروج لمنطقة العمل بحيث تكون مفصولة ومعزولة تمام عن المحيط الخارجي مع ضمان عدم تسرب غبار الأعمال الإنشائية إلى قسم العمليات من حيث تركيب شفاطات و قواطع مؤقتة وكل ما يلزم لإتمام العمل كما يجب وعزل الصوت قدر الإمكان .
- 3- على المقاول ترحيل مخلفات الأعمال الإنشائية أولاً بأول لخارج محيط المستشفى و المحافظة على نظافة مكان العمل .
- 4- مرفق جدول كميات معماريه وكهربائيه وميكانيك واجهزه طبيه، وعلى من يرسو عليه العطاء تقديم خطه العمل كامله وتشمل المخططات التنفيذيه و التفصيليه لكافه الاعمال اعلاه بحيث تتوافق مع البنود الوارده في جدول الكميات بالحد الادنى .
- 5- مده التنفيذ لاتزيد عن 50 يوم تقويمي .
- 6- يتضمن عرض السعر دراسه وافيه وتفصيليه مع المخططات اللازمه لكافه ما يتعلق بالغازات الطبيه والاجهزه الطبيه ومعلقات الاناره الطبيه، وايه بنود طبيه اخرى .
- 7- يجب على المتقدمين للعطاء تقديم وثائق تثبت قيامهم بأعمل مشابهه للمطلوب والتي قاموا بتنفيذها سابقاً .
- 8- جميع الكميات في بنود العطاء هي كميات تقريبية تتبع الكيل الهندسي و تغييرها مرتبط بالمخططات التي سيتم تقديمها من قبل المقاول .
- 9- يستطيع المتقدمين للتنفيذ ان يقدموا اقتراح لنظام (modular operation theatre) كخيار اضافي لدراسته.
- 10- على المقاول الإلتزام بشروط وقواعد السلامة العامة المعمول بها في المستشفى من حيث منع التدخين والإلتزام باللباس و معدات الوقاية الشخصية و أماكن الدخول والخروج و أي تعليمات أخرى يتم توجيهها من قبل مهندس السلامة العامة مع العلم أن عدم الإلتزام بهذا الشرط ينبني عليه ايقاف الأعمال في الموقع و تحمل المقاول أي تكاليف مادية تنشأ عن التأخير بسببها و تحمل أي غرامات مالية تفرض على المقاول بسبب عدم الإلتزام.





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جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
1	Anesthesia machine with gas analyzer	1	
Anesthesia machine Spec.		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
Anesthesia machine Specification:			
Ceiling pendant system			
All Patient type: neonatal, pediatric and adult			
Anesthesia machine with			
- Two Drawers			
- Top shelf and work area			
- Extra shelf for patient monitor			
- Built in ventilator			
- Central wheels lock			
- Ventilator screen			
- Absorber bag arm			
- Canister			
- CO2 absorber			
- Electronic Flowmeters for Oxygen, air and nitrous oxide			
- Battery backup			
- Anesthetic gas scavenging system			
- Patient circuit and test lugs for adult and pediatrics.			
Anesthesia machine to be equipped with two vaporizer connections with built in gas analyzer to measure anesthetic gases (Isoflurane, Sevoflurane and Desflurane) and patient gases (O2, CO2 and N2O), and to have a feature to save the consumption of anesthetic gases			
Ventilator screen should be touch Screen with easy to use and not be less than 15"			
The machine should has permanent O2 sensor			
The system should have an inbuilt at least 90 minutes battery backup for anaesthesia machine and ventilator			
In case of electricity and battery failure, manual ventilation, gas and agent delivery should be possible.			
Gas Delivery System:			
Should have pin index yokes for Oxygen & Nitrous Oxide besides separate connection for central gas supply for oxygen, Nitrous Oxide and Air.			





The machine should have separate colour coded pressure gauges for cylinders & central supply lines mounted on front of Anaesthesia machine for better visibility.		
Electronic setting and Digital display of Oxygen, Nitrous oxide, Air.		
Having mechanical hypoxic guard with automatic cutoff of N2O		
Electornic Vaporizer		
Tool-free installation		
Sevolurane and Isoflurane		
Machine should have possibility to mount two vaporizer for easy interchangeability.		
The Vaporizer design should be maintenance free and should not require calibration for life time.		
Having latest vaporizers for sevoflurane and Isoflurane; all should be temperature, pressure and flow compensated, with key filling arrangement		
Anesthesia Ventilator:		
Electronically controlled Pneumatically/ Electrically driven integrated anesthesia Ventilator		
Ventilator should automatically compensate for fresh gas by adjusting fresh gas flows for changes in fresh gas flow, small system leak changing lung compliance or compression losses.		
Facility to change I:E Ratio should be provided.		
Alarming setting should be available for low and high and tidal volume, minute volume airway pressure and apnea.		
Ventilation Modes: - Volume controlled - Pressure Controlled - Pressure Support with apnea backup ventilation - SIMV PS - Manual/ Spontaneous.		
Tidal Volume : 20-1500 ml		
PEEP : 0-20 mbar		
Breathing Frequency : up to 60 BPM		
I:E Ratio : 4:1 to 1:4		
Inspiratory pause : 0-50% of Ti.		
Should be able to ventilate with atmospheric air, in case of missing gases		
Alarm Limits & Alarms		
Adjustable high/low limits with audio and visual alarms for: Tidal Volume, Minute Volume, Airway Pressure (including stenosis and disconnect), Insp Oxygen concentration, Audio power supply fail alarm, Fail to cycle warning (apnea)		





Accessories and consumables included		
Reusable adult patient circuit, Qty.: 2		
Reusable pediatric patient circuit, Qty.: 2		
Water trap, Qty.: 10		
Sampling line, Qty.: 20		
O2 Hose-5m-British type connectors, Qty.: 1		
N2O Hose-5m-British type connectors, Qty.: 1		
Air Hose-5m-British type connectors, Qty.: 1		
Complete with all accessories and consumables needed to work completely as specified		
Your offer should contain the following: 1) Preventive maintenance schedual 2) Refernce list for the same model 3) Compliance sheet 4) Cataloges 5) Data sheet 6) Autherization latter 7) CE or FDA certificate		
Service training for one biomedical engineer at the manufacturer site		
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.		





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جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
2	Patient monitor	1	
Patient monitor Spec.		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
Patient monitor Specification:			
Capable to monitor Adult and Pediatric Patients.			
Monitor should have independent flat panel display not less than 15 inch and with backup battery			
Touch screen user interface			
Monitor Should be capable of 4 traces display			
Facility to monitor and display ECG, Respiration ,NIBP, IBP SPO2, Temp, Heart rate, pulse and Etco2			
ECG should have capability for 3,5 and /or 10 lead monitoring and should have built in arrhythmia monitoring on all leads			
Alarm Should be color coded , flash red in high priority alarm and yellow in the presence of medium or low alarms.			
Alarm limit status (On/Off) must be indicated on screen for each parameter and actual parameter alarm settings must be displayed on- screen when alarms are on.			
Built in ST segment automatic & manual analysis			
Position of the displayed waveforms must be user configurable			
Parameters:-			
ECG and Respiration:			
Simultaneous multi-lead ECG (including 12 lead analysis) Respiration			
Full lead select (I, II, III, aVR, aVL, aVF, and V (V1-V6 when using the ten lead cable) for display.			
Each monitor simultaneously obtains, at minimum, three ECG leads for QRS detection and arrhythmia recognition.			
Trace Sweep Speed 50,25,12.5-mm/sec			
Respiratory signal is obtained through the ECG leads.			
Pace maker pulse rejection			





The user can select Lead I or Lead II for respiratory cycle monitoring and waveform display.		
The respiration program includes the following features:		
Manual and automatic waveform sizing.		
Auto and manual respiratory cycle threshold detection.		
The system has adjustable alarm settings for high and low respiration rate and Apnea.		
ECG trend must be beat-to-beat		
Defibrillator and ESU protection provided		
Patient leakage current, less than 10uA		
NIBP: 1-channel		
Measurement modes include: Manual mode		
The monitor displays systolic, diastolic, mean values, and time of pressure determination. (In timed auto mode, display shows time to next reading.)		
Measurements are tabulated for recall and review.		
IBP: 2- Channel		
The monitor should be capable of displaying the waveforms at different speeds		
The monitor automatically measures the PAW.		
Alarm Limit Adjust high and low limit		
Temp: 2- Channel		
Measurement Range : 0 to 50°C		
Numeric up to date Rate: every 3 sec.		
Alarm limit adjustable high and low limits		
Pulse Oximetry:		
The monitor can measure oxygen saturation using pulse oximetry.		
The module offers compatibility with two or more probe manufacturers.		
The user can select the SpO2 waveform for display.		
The monitor displays an O2 saturation value and a pulse		
The SpO2 program includes the following features: High and low alarm limits for O2 saturation Automatic waveform sizing		
Signal strength indicator		
Displayed messages include: Interference detected, low light, check probe, low signal quality, probe off patient, replace probe.		
Each monitor should be supplied with the following Accessories and spares:		
1. ECG/Respiration: 5 lead ECG cable with clip (Qty.2 sets)		
2. NIBP: Adult (Qty. 2), pediatric (Qty. 2)		
3. Spo2 sensor: adult sensor with cable (Qty. 2), pediatric sensor with cable (Qty. 2)		
4. Temperature: Skin Temp. Probe (Qty. 1)		
5. IBP kitt (Qty. 1)		
6. With plate for mounting solution (Qty. 1)		

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Complete with all accessories and consumables needed to work completely as specified		
Your offer should contain the following: 1) Previntive maintenance schedual 2) Refernce list for the same model 3) Compliance sheet 4) Cataloges 5) Data sheet 6) Autherization latter 7) CE or FDA certificate		
Service training for one biomedical engineer at the manufacturer site		
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.		

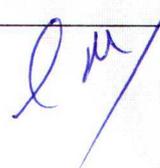
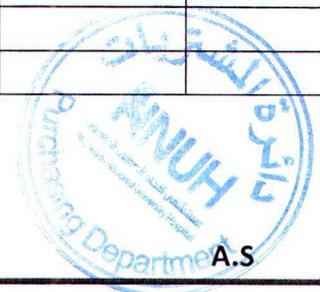


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جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
3	Operating Light	1	
Operating Light Spec.		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
Operating Light Specification:			
LED based technology			
The control panel should be attached to the light arm for ease of use			
One main light and one satellite and single flat screen holder with double arm each			
Intensity at 1-meter distance for main light not less than 1,60,000 lux and not less than 1,20,000 lux for satellite light.			
Should have variable Colour Temperature: 3500-5000K.			
Having on / off switch and light intensity control on light arm.			
Homogenous luminous field with lowest possible amount of shadow.			
Should the light not produce heat on the surgeon's head			
Depth of illumination should be 100-140 cms. for main & satellite light.			
Illuminated field diameter should be more than 25 cm			
LED lifetime more than 40,000 hours for the two light			
The light head should be so constructed as to provide optimum conditions for laminar flow.			
User selectable intensity variation with digital display from 30 to 100% in 6 or more steps"			
Includes 5 spare sterilizable handel			
OR wall touchscreen control unit			
Medical grade Screen not less than 25"			
Complete with all accessories and consumables needed to work completely as specified			
With all required parts for installation			
Optional to be price seperately:			
Sterilizable handle			
LED lamp			



Camera with its system		
Your offer should contain the following: 1) Previntive maintenance schedual 2) Refernce list for the same model 3) Compliance sheet 4) Cataloges 5) Data sheet 6) Autherization latter 7) CE or FDA certificate		
Proposal shop drawing for the system shall be attached with offer		
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.		

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جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
4	Ceiling Pendant with motorized movement	1	
Ceiling Pendant with motorized movement Spec.		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
Ceiling Pendant Specification:			
Multi movement ceiling pendant, Electromagnetic type			
Single pendant with double arms with 3 joints pendant can rotate around its horizontal axis up to 330 degree			
Motorized height adjustment			
Upper and lower Arm Length from joint axis point to another joint axis point around 1m			
The vertical and horizontal movement can arrested at any required position			
The pendant is controlled with buttons integrated in the instrument carrier plate or independent			
Cable management feature			
Can carry load up to 120 kg			
It created from heavy duty material			
All gas outlets must be compatible with the hospital system, british standard			
Electrical socket must be compatible with the hospital system			
Destributor Contains:			
2 X N2O			
1 X AGSS			
2 X O2			
2 X MA4, compressed air 400kpa			
1 X MA7, compressed air 700kpa			
2 X Vacuum			
8 X Electircal sockets (white), compatable with palestine			
8 X UPS Electrical sockets (red)			
4 X Grounding sockets			





Communication:		
2 X Twin RJ45 Data.		
1 X DVI-I		
1 X RS232		
1 X VGA		
1 X HDMI		
Accessories included:		
1 X IV stand with 4 Hooks		
Rail		
1 X Monitor stand		
1 X Drawer with shelf		
2 X Shelves		
Complete with all accessories and consumables needed to work completely as specified		
With all required parts for installation		
Your offer should contain the following: 1) Preventive maintenance schedual 2) Refernce list for the same model 3) Compliance sheet 4) Cataloges 5) Data sheet 6) Autherization latter 7) CE or FDA certificate		
Proposal shop drawing for the system shall be attached with offer		
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.		





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جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
5	Ceiling Pendant for anesthesia	1	
Ceiling Pendant for anesthesia Spec.		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
Ceiling Pendant for anesthesia Specification:			
Electromagnetic ceiling pendant			
Single pendant with double arms with 3 joints pendant can rotate around its horizontal axis up to 330 degree			
Upper and lower Arm Length from joint axis point to another joint axis point around 1m			
The horizontal movement can arrested at any required position			
The pendant is controlled with buttons integrated in the instrument carrier plate or independent			
Cable management feature			
Anesthesia machine lifting capacity around 180 kg			
Anesthesia machine clearance from the ground after lifting (full) should be more than 350 mm			
It created from heavy duty material			
All gas outlets must be compatible with the hospital system, british standard			
Electrical socket must be compatible with the hospital system			
Distributor Contains:			
2 X N2O			
1 X AGSS			
2 X O2			
2 X MA4, compressed air 400kpa			
1 X MA7, compressed air 700kpa			
2 X Vacuum			
8 X Electrical sockets (white), compatible with palestine			
8 X UPS Electrical sockets (red)			
4 X Earth nodes			





Communication:		
2 X Twin RJ45 Data.		
1 X DVI-I		
1 X RS232		
1 X VGA		
1 X HDMI		
Accessories included:		
1 X IV stand with 4 Hooks		
Rail		
1 X Drawer with shelve		
2 X Shelves		
Complete with all accessories and consumables needed to work completely as specified		
With all required parts for installation		
Your offer should contain the following:		
1) Previntive maintenance schedual		
2) Refernce list for the same model		
3) Compliance sheet		
4) Cataloges		
5) Data sheet		
6) Autherization latter		
7) CE or FDA certificate		
Proposal shop drawing for the system shall be attached with offer		
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.		





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No.	Item Description	QTY	Price (NIS)
6	Operating Table, General	1	
Operating Table, General Spec.		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
Operating table Specification:			
Multi purpose powered OT table, suitable for all major surgical procedures, complete with a corded handset with battery level indicators (choice of IR handset should also be available) and moulded, anti-static, soft mattress			
Electrical with remote control			
Universal surgical table with Electrohydraulic adjustment of table functions			
The operating tables should have an unrestricted capacity of 250 kg in any position			
Easy connected accessories without screws			
4 sections, headrest, back plate, extension plate and leg section			
Motorized leg plate adjustment			
Trendelenbrge : +30/-30 deg.			
Width with side rails not less than 540mm			
Adjustable High from 650 to 1000 mm approx(low height version)			
Tilt: 20 deg			
Back section: +70/-40 deg.			
Leg section: +30 /-90 deg.			
Column housing :Stainlee Steel			
Total length not less than 2000 mm			
The table should have override control panel on the column in case of handset loss or battery failure			
Mattress is included			
The unit include all parts and accessories required to work perfectly			





Accessories included:		
1- IV stand - 1		
2- Arm supports - 2		
3- Arm restraint cuff - 2		
4- Body strap - 1		
5- Standard clamp - 4		
6- Anaesthetic screen with sleeve - 1		
7- Leg section two parts - 1		
8- Head rest - 1		
Complete with all accessories and consumables needed to work completely as specified		
Optional to be priced seperately		
1- IV stand		
2- Arm supports		
3- Foot plate		
4- Body strap		
5- Standard clamp		
6- Anaesthetic screen with sleeve		
7- Leg section two parts		
8- Head rest		
9- Arm restraint cuff		
10- Dual-joint head rest		
11- Head ring		
12- Back support		
13- Lateral support		
14- Shoulder support		
Your offer should contain the following: 1) Previntive maintenance schedual 2) Refernce list for the same model 3) Compliance sheet 4) Cataloges 5) Data sheet 6) Autherization latter 7) CE or FDA certificate		
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.		





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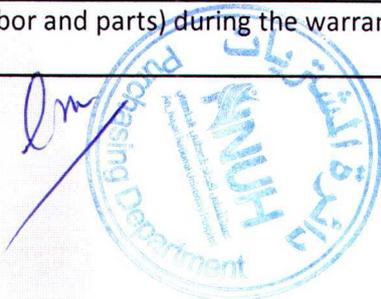
جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
7	ESU, General	1	
Electrosurgical unit (ESU), General Spec.		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
ESU unit Specification:			
The unit should exhibit a wide range of precisely regulated currents, enabling to choose between a great number of applications, such a monopolar and bipolar cutting and coagulation.			
Automatic output dosage for all regulative technologies.			
Power			
Precise power output adjusted to the individual indication			
Two distinct frequencies: Monopolar and Bipolar			
Independent control for cutting/coagulation and fulguration			
Monopolar should have different mode. Cut, Blend, Soft and Spray facility			
Pure Cutting max. power 300 watts			
Coagulation max. power 200 watt			
Bipolar coagulation max. power 80 watts			
Blend Cutting max. power 200 watts			
Output frequency around 400 kHz			
The unit shall be designed to activate the high frequency generator by means of finger switch or footswitches.			
The unit shall be equipped with a digital display indicating estimated delivered output power.			
The unit shall be capable of monitoring the contact impedance between the patient and patient dispersive-electrode and shall prevent ESU output activation if the contact impedance rises above the manufacturer's preset value.			
The unit shall be equipped with dispersive-electrode cable continuity monitor that prevent ESU activation if the cable breaks or disconnected from either the ESU or the dispersive electrode			
The unit shall be designed with an isolated output capable of eliminating the risk of burns to the patient that may come in contact with grounded object.			





The unit shall be capable of using any brand of diathermy pencil / electrodes.		
The unit shall be equipped with automatic self-diagnostic program upon start-up. It shall continually monitor, detect and indicate defects and malfunctions.		
Front-panel controls should be visible to the user and easily identifiable and clearly marked.		
The unit shall be equipped with visual and audible indicator peculiar to the mode of operation.		
Maximum line frequency source leakage current from electrodes shall be less than 10 microamperes.		
Maximum line frequency leakage current from chassis shall be less than 100 microamperes.		
Display and control		
On/off switch with indicator with preferably multifunctional rotary switch to set any parameters		
Display to see the settings and recognize parameters easily and also facility of memory available for user-defined settings (customized programs)		
Foot switch and insulated cable		
Hand switch and insulated cable		
Additional Requirements		
Should be supplied with an Equipment cart or Trolley for easy transport in operation theatres.		
Accessories & consumables:included		
Should have standard Accessories Monopolar Handle, Cable, Foot Pedal (Double), Bipolar Forceps like Cable, Neutral Plate, Cable and Electrodes		
Patient return electrode reusable		
Complete with all accessories and consumables needed to work completely as specified		
Your offer should contain the following: 1) Preventive maintenance schedual 2) Refernce list for the same model 3) Compliance sheet 4) Cataloges 5) Data sheet 6) Autherization latter 7) CE or FDA certificate		
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.		





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طرح عطاء رقم RFQ-H-11365

جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
8	Emergency Trolley complete	1	
	Emergency Trolley Complete Spec.	Compliance	Deviation
	Good brand name		
	Manufacturer:		
	Source and origin:		
	Model:		
	Emergency Trolley Specification:		
	Backboard		
	Iv pole holder		
	Two small drawers with partitions		
	One large drawer		
	Defibrillator swing arm		
	Lockable drawer for dangerous drugs		
	Mobile on 4 castors with break mechanism		
	Oxygen tank holder		
	Drawer cassette for top cavity		
	Complete with :-		
	O2 cylinder complete with regulator flow meter and mask		
	Diagnostic set		
	Fiber optic Laryngoscope from reputable manufacturer		
	Fully catheters 8 sizes 10 each		
	Ambo bag set silicon child, adult		
	Dressing set (specify)		
	Endotrachial tube 8 sizes 10 each		
	Complete with all accessories and consumables needed to work completely as specified		
	OPTIONAL TO BE PRICED SEPARATELY:-		
	O2 cylinder complete with regulator flow meter and mask		
	Diagnostic set		
	Laryngoscope set		
	Fully catheters all sizes (10 for each size)		
	Ambo bag set silicon infant, child, adult		
	Dressing set (specify)		
	Endotrachial tube all sizes (10 for each size)		
	Your offer should contain the following:		
	1) Previntive maintenance schedual		
	2) Refernce list for the same model		
	3) Compliance sheet		
	4) Cataloges		
	5) Data sheet		
	6) Autherization latter		
	7) CE or FDA certificate		
	Warranty: 1 years		





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جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
9	Dressing Trolley	1	
Dressing Trolley Spec.		Compliance	Deviation
Good brand name			
Manufacturer:			
Source and origin:			
Model:			
Dressing Trolley Specification:			
Stainless steel.			
Dimension 600L * 400W * 850H mm Approx.			
With two shelves.			
Tray shaped.			
Equipped with bottle holder.			
Movable rectangular waste bin.			
Drawer and bowl are placed.			
Push handle.			
4 castors 2 brakes.			
Warranty: 1 years			

No.	Item Description	QTY	Price (NIS)
10	Mayo Tray	1	
Mayo Tray, Qty.: 1		Compliance	Deviation
Good brand name			
Manufacturer:			
Source and origin:			
Model:			
Mayo Tray Specification:			
Completely made of stainless steel			
Design, fabrication, and finish should be of high quality & heavy duty			
Should not have sharp edges			
Tops and shelves are to be fabricated of 18 gauge stainless steel or equivalent			
Adjustable height by foot mechanism			
Height adjustable (mm): 850 -1200 approx.			
Working-plan dimensions (mm): 700W X 500L X 15H approx.			
Casters should be 50 mm conductive and swivel, two lockable			
Warranty: 1 years			



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جدول المواصفات والكميات

No.	Item Description	QTY	Price (NIS)
11	Surgical Scrub	1	
Surgical Scrub, Qty.: 1		Compliance	Deviation
Good brand name with FDA or CE			
Manufacturer:			
Source and origin:			
Model:			
Surgical Scrub Specification:			
Double station			
Made of heavy gauge stainless steel 304 or better			
Dimension 1600x650x1300 mm (W.D.H) approx.			
Digital timer ensures adequate scrubbing time			
Divider screen between sinks			
Hands free water control – Infrared sensor activated panel turns water on and off			
Soap dispenser is included and operated by knee push.			
Water and soap time adjustable (0,25 s - 12 min)			
Thermostatic control is included			
Adjustable water temperature (35°C - 41°C);			
Chrome faucet included			
The surgical scrub sink should come with all necessary hardware for mounting and connection to utilities.			
Installation included			
Complete with all accessories and consumables needed to work completely as specified			
Your offer should contain the following:			
1) Preventive maintenance schedual			
2) Refernce list for the same model			
3) Compliance sheet			
4) Cataloges			
5) Data sheet			
6) Autherization latter			
7) CE or FDA certificate			
Warranty: 3 years, with commitment to conduct preventive maintenance (labor and parts) during the warranty period and according to manufacturer recommendations.			





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جدول المواصفات والكميات

Electrical Work

#	Item Description	Unit	QTY	Rate (NIS)	Total (NIS)
1	3 Phase Distribution Board Supply, install, test and connect Low Tension Distribution Boards (DB) Type tested , the price shall include insulated bus bars, MCCB's, MCB's, contactors, push buttons , control wiring ,timers, metering instrumentation, surge and over voltage protection, Isolation transformer, Inrush current limiter , Ground insulation , Current & Temperature monitor , two feeder with manual transfer switch , all circuit breaker must be double pole , and all needed accessories to complete the job as specified and as engineer instructions.	L.s	2		
2	Single Phase Isolator Supply, install, test and connect Line Isolator (1x20A / IP 54) the price shall include the feeder cable from DB to the location on ceiling: - ceiling pendent (2 – UPS) - ceiling pendent (2- Emergency) - Electric door (1- UPS) - Digital watch wall mounted (1- UPS) - AVSU –Medical gas unit (1- UPS)	No.	7		
3	Feeder Cable Supply, install, test and connect feeder power cables (5x10mm ² CU/XLPE/PVC Cable) the price shall include cables, cable lugs, cable glands, conduits, protection blocks, warning tape, fixing arms and pads and all needed accessories to complete the job as specified and engineer instructions	MR	70		
4	Cable Tray Supply, install, 20cm Galvanized Cable Tray , the price shall include cable trays, fixing arms, tees, crosses, risers, elbows, supports, connectors, earthing , bonding jumpers connection and all needed accessories to complete the job as specified and as shown on the drawings and engineer instructions	MR	25		
5.1	Modify f all Existing Electrical Systems Modifications for all existing electrical systems indicated in the drawings, the price shall include Removing/Reinstall power socket, telephone socket, data socket, lighting switches, lighting points, smoke detector, emergency light, and all needed jobs and materials to complete the job as specified and as shown on the drawings	L.s	1		



#	Item Description	Unit	QTY	Rate (NIS)	Total (NIS)
6	lighting Fixtures Supply, install, test and connect Lighting fixtures ,Led /6500k /4000 lm/ IP65(Osram or Philips or Equ.)used for operation theater , cleaning area , mounted on gypsum board ceiling with all needed accessories to complete the job as specified and as shown on the drawings.	No.	20		
7	CAT 7a CABLE Supply, install, test and connect Cat7a cable the price shall include cables, cable lugs, cable glands, conduits and all needed accessories to complete the job as specified and engineer instructions	MR	100		
8	Electrical Socket Outlet 16A				
8.1	Supply, install, test and connect wiring devices Socket outlet (UPS /Red color) : 16 A duplex, switched, the price shall include outlet, cables, conduits, boxes and all needed accessories to complete the job as specified and as shown on the drawings	No.	4		
8.2	Supply, install, test and connect wiring devices Socket outlet (Emergency /white color) : 16 A duplex, switched, the price shall include outlet, cables, conduits, boxes and all needed accessories to complete the job as specified and as shown on the drawings	No.	15		
9	Operation Room Earthing Supply, install, connect earthing mesh under floor tails and connected to it by special conductive materials and glue, the earthing mesh cross point shall be welded, the earthing mesh cross point shall be connected to PE box, the earthing mesh cross point shall be fixed by special conductive glue.	L.s	1		
-	Earthing mesh shall be connected to earth bet using 16mm2 earth wire with all conduit and accessorise to complete the job as specified.				
-	Ceiling pendant shall connected to PE box with 10 mm2 earth wire with all conduit and accessorise to complete the job as specified .				





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جدول المواصفات والكميات

Architecture Work

Item	Description	Qty.	Unit	Rate(NIS)	Total(NIS)
FIRST : PREPARING SITE					
	<u>CONTRACTOR IS TO EXCUTE THE FOLLOWING ITEMS NEEDED TO MODIFY THE FUNCTION OF THE SPACE</u>				
A	Dimolition of existing block walls specified in the drawings and removing surplus materials to approved dumping site. Surplus materials are to be moved in closed bags. The price includes mentainance of walls or their plaster where demolition takes place, complete.	24	m ²		
B	Ditto , but for floors where walls are removed.	1	L.S		
C	Removing existing rubber floor and rehabilitation of its underlay using mechanical polishing tool so as to get the surface as smooth as possible. Complete.	40	m ²		
D	Dismantle the existing false ceiling in the specified area of the proposed operation theater, the contractor shall move surplus materials to an approved dumping area in closed bags. The contractor also shall make needed arrangements with the electrical and machanical engineers to deal with the ceiling electromechanical hangings, complete.	40	m ²		
E	Dismantle the existing doors and hand them over to the hospital engineer.	Includ ed	Included		
F	Cut and adjust the marble counter located between the proposed operating theater and the recovery room. The price includes making the necessary adjustments to the marble counter, moving the washbasin and the attached extensions, and the price also includes making the necessary adjustments to cabinets and woodwork under and over the marble counter, complete.	1	L.S		



Item	Description	Qty.	Unit	Rate(NIS)	Total(NIS)
<u>SECOND : GYPSUM BOARD WALLS:</u>					
A	Supply and install 100 mm thick gypsum board walls made of two 12.5 mm thick gypsum boards layers as indicated in the drawings. the price includes 2" , 30 kg/m ³ rock wool insulation . The price also includes the galvanized steel structure and all required fixing system , complete.	35	m ²		
B	Ditto, but one layer gypsum board and without rock wool insulation , for the eastern operation theater wall.	28	m ²		
<u>THIRD : PORCELAIN WALL CLADDING:</u>					
	Supply and install porcelain wall cladding for the walls over the scrub from Neolith or equal approved. The price includes cutting, fixing, adhesive, pointing and all needed , complete.	28	m ²		
<u>FORTH : RUBBER FLOORS:</u>					
	Supply and install conductive 3 mm thick rubber sheets , seamless joints, fixed on existing terrazzo tiles with approved adhesive, including compatible self leveling materials, cutting , fixing, adhesive, sealant, dampproof membrane and primers all as per drawings and manufacturer's instructions.	40	m ²		
<u>FIFTH: CEILING:</u>					
	Supply and install 12.5 mm thick gypsum board suspended ceiling, with plaster skin coating and a paint of composite elastomeric and anti-microbial finish, including stepped decorations, strips, molding and all as shown on drawings, complete as per drawings	40	m ²		





Item	Description	Qty.	Unit	Rate(NIS)	Total(NIS)
<u>SIXTH: WALL CLADDING:</u>					
	Supply and install hygenic wall cladding system, "Altro White Rock" for the interior walls of operation theater. The price includes all accessories , bending walls as recommended for internal end external corners, cutting, special adhesive, complete.	75	m ²		
<u>SEVENTH: MAIN DOOR:</u>					
	Supply and install hermetically sealing, automatic sliding one leaf door for hospital operation theaters with HPL finish which is easy to sanitize from "LABEL", HB-SALTE1 model, the price includes vision panel and bump bands with all accessories, software, removing old door frame, complete.	1	no.		





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جدول المواصفات والكميات

Mechanical Work

#	Item Description	Qty	Unit	Rate (NIS)	Total(NIS)
	<u>Supply, install, test and commission stainless steel return air grilles for operating theaters including connections to ductwork and all required accessories as per specs and dwgs.</u>				
A	RG (6000x350) mm	2	No.		
	<u>Supply, install, test and commission perforated supply air ceiling diffuser including plenum box for terminal HEPA filter 99.97% of 0.3 Micron installation, round connections to ductwork and all required accessories as per specs and dwgs.</u>				
B	(600x600) mm - 250mm inlet	2	No.		
C	(1200x600) mm - 300mm inlet	2	No.		
D	<u>Supply, install, test and commission DX with tow driving fans one in duty and one stand by (40KW) precision air conditioning unit including indoor & outdoor units, integral controls, humidifier, heater, thermostats, protection device, air filters etc. complete with condensate piping, refrigerant piping, insulation and connection to switch as per specs and dwgs.</u>	1	No.		
	<u>Supply, install, test and commission galvanized steel ductwork including 25 mm thick foil faced rigid fiberglass insulation and fittings, hangers and washers covered in an approved vapour seal reinforced with canvas, complete with cladding, volume control dampers, fire dampers, fittings, supports and all required accessories including the price for wall openings for supply and return air duct to the DX unit as per specs and dwgs.</u>				
E	galvanized steel duct	50	m2		
F	<u>first fix for installing SCRUB including pex pipes 16 mm in 20 mm sleeve , valves , angle valves connection to nearest water distribution box , and 2" drainage connection to the nearest floor drain</u>	2	no.		





MEDICAL GASES SYSTEM					
H	VAC terminal wall mount unit	2	No.		
	<u>Supply, install, test & commission pressure switch assembly, installed, and tested complete including pressure switch, pipeline connecting tee and connection kit (15mm for Hi-Lo pressure version and 28mm for vacuum) and all required accessories as per spec's.</u>				
	<u>Supply, install, test & commission pressure switch assembly, installed, and tested complete including pressure switch, pipeline connecting tee and connection kit (15mm for Hi-Lo pressure version and 28mm for vacuum) and all required accessories as per spec's.</u>				
I	Pressure switch assembly	L.S	L.S		
ZONE SERVICE UNITS					
	Supply, install, test & commission emergency isolation valve complying to HTM2022 and C11, housed within a lockable box with 'break glass' safety feature emergency access, installed, connected, and tested, complete including NIST connection ports, and all required accessories as per spec's.				
J	AVSU- (5 inlet) Supply, install, test & commission Copper pipe degreased, light gauge, solid drawn, phosphorous de-oxidized, non-arsenical tube conforming to BS-EN 1057:1996 (formerly BS 2871, Part 1, Table 'X'). Suitable for use with BS 864 Part 2 fittings, installed, connected, and tested complete with allowance for HKD type concrete inserts with drop rod and munsen ring brackets, spaced to HTM22/HTM2022 recommendations, assorted fittings, solder and identification tape as per spec's.	1	No.		
K	12 mm diameter pipe	50	m		
L	15 mm diameter pipe	100	m		
M	22 mm diameter pipe	50	m		
N	28 mm diameter pipe	50	m		



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طرح عطاء رقم RFQ-H-11365ملحق أعمال ميكانيكيه

بالإشارة للموضوع اعلاه فان تصاميم اعمال الميكانيك لغرف العمليات يجب ان يتوفر فيها الامرو التالية :

أولاً: نظام التهوية والتكييف:

- معدل تغيير الهواء 20 مرة كل ساعة وبحيث لا يتم ترجيع اكثر من 15% من الهواء للغرفة بعد معالجته من ناحية الرطوبة والحرارة والتنقية يضاف له 85% هواء جديد معالج ومنقى.
- معدل تنقية الهواء (هيبا فلتر - 99.999%-)
- طريقة ادخال الهواء للغرفة من خلال مجاري هواء بشكل انسيابي وبسرعة لا تزيد عن 2.0 متر/ثانية ومن الاعلى من فوق سرير العمليات .
- الهواء الراجع يجب ان يكون من الاسفل ومن زوايا الغرفة على مستوي الارض.
- ينبغي ان يكون ضغط الهواء ايجابي (POSITIVE PRESSURE) داخل غرف العمليات لكي يتمكن من الحد من دخول الهواء الغير نقي ويكون اتجاه مرور الهواء داخل جناح العمليات من المنطقة النظيفة الى الأقل نظافة.
- درجة الحرارة يجب ان تتراوح بين 16 و22 درجة مئوية والرطوبة يجب ان لا تزيد عن 50 %
- وحدات التكييف تكون مستقلة بذاتها ولا تغذي اية اقسام اخرى وبها درجة حماية وامان عالية بحيث يكون هنالك بديل للمراوح لضمان عدم انقطاع الخدمة . كذلك يجب يتم الاستفادة من الطاقة الموجودة في كميات الهواء المطرود سواء كان باردا او حارا.

ثانياً : نظام الغازات الطبية:

- أن يكون تزويد الغازات من خلال جسر معلق بواقع **نقطتي تزويد** من كل من هواء طبي 4 بار وهواء مضغوط 7 بار واوكسجين O2 ونيروز N2O وتفريغ VAC اضافة لتفريغ النيتروز AGSS.
- يجب ان يكون هنالك نقطة مراقبة وتزويد لهذه الغازات (AVSU) مستقلة فقط لهذه الغرفة .
- توفير نقطتي تفريغ (VAC) جانبية في جدران الغرفة.

